Keuwl Accelerometer Data File

2024-04-18 16:55:07

Time (s), X (m/s2), Y (m/s2), Z (m/s2), R (m/s2), Theta (deg), Phi (deg)

0.0000000,-0.206979,9.620942,1.920838,9.813001,78.711800,91.232437

0.0024691,-0.187837,9.616156,1.628914,9.754952,80.387535,91.119041

0.0049374,-0.216550,9.656834,1.679163,9.804128,80.138268,91.284622

0.0074048,-0.199801,9.714262,1.703092,9.864448,80.058098,91.178284

0.0098732,-0.187837,9.759726,1.664806,9.902480,80.321465,91.102585

0.0123423,-0.163908,9.802796,1.640878,9.940532,80.498734,90.957932

0.0148106,-0.168694,9.829117,1.633700,9.965388,80.564491,90.983253

0.0172781,-0.151944,9.850653,1.655235,9.989907,80.462639,90.883705

0.0197464,-0.166301,9.860224,1.683949,10.004367,80.309761,90.966248

0.0222155,-0.156730,9.850653,1.710270,9.999248,80.151718,90.911537

0.0246839,-0.185444,9.819546,1.743770,9.974898,79.932060,91.081909

0.0271513,-0.209372,9.819546,1.748555,9.976210,79.905487,91.221474

0.0296196,-0.216550,9.793225,1.758126,9.952145,79.824837,91.266731

0.0320887,-0.245264,9.776475,1.748555,9.934639,79.862801,91.437088

0.0345571,-0.226122,9.774082,1.731805,9.928896,79.955048,91.325294

0.0370245,-0.209372,9.740582,1.779662,9.904038,79.648262,91.231369

0.0394929,-0.238086,9.699904,1.765305,9.862105,79.688553,91.406052

0.0419620,-0.175872,9.687941,1.801197,9.855528,79.469429,91.040016

0.0444303,-0.139980,9.642477,1.786840,9.807637,79.502731,90.831703

0.0468978,-0.106481,9.613763,1.796412,9.780740,79.416504,90.634575

0.0493661,-0.075374,9.592228,1.813161,9.762381,79.296341,90.450211

0.0518352,-0.058624,9.606585,1.798804,9.773720,79.394539,90.349640

0.0543035,-0.068195,9.606585,1.817947,9.777324,79.284348,90.406723

0.0567710,-0.051446,9.630513,1.853839,9.807454,79.104195,90.306068

0.0592394,-0.092124,9.644870,1.834697,9.818254,79.230064,90.547249

0.0617084,-0.089731,9.635299,1.834697,9.808830,79.219589,90.533562

0.0641768,-0.144766,9.661619,1.827518,9.834005,79.290085,90.858429

0.0666442,-0.206979,9.680762,1.849054,9.857941,79.188995,91.224823

0.0691125,-0.223729,9.692726,1.870589,9.874113,79.079674,91.322273

0.0715817,-0.271585,9.707084,1.887339,9.892588,79.001511,91.602608

0.0740500,-0.324227,9.711869,1.887339,9.898868,79.008575,91.912086

0.0765174,-0.355334,9.692726,1.918446,9.887145,78.811684,92.099518

0.0789858,-0.398405,9.683155,1.906481,9.877090,78.870888,92.356056

0.0814549,-0.472582,9.695119,1.949552,9.900476,78.643387,92.790634

0.0839232,-0.532403,9.690333,1.959123,9.900716,78.587166,93.144760

0.0863907,-0.568295,9.704690,1.961516,9.917233,78.592323,93.351349

0.0888590,-0.594616,9.711869,1.949552,9.923443,78.670021,93.503601

0.0913281,-0.589831,9.695119,1.959123,9.908652,78.596428,93.481461

0.0937965,-0.616152,9.692726,1.947159,9.905555,78.663406,93.637314

0.0962639,-0.575474,9.733404,1.949552,9.943394,78.693054,93.383591

0.0987323,-0.553938,9.750154,1.954338,9.959508,78.683510,93.251663

0.1012013,-0.549153,9.769297,1.961516,9.979392,78.664322,93.217331

0.1036697,-0.532403,9.769297,1.971088,9.980371,78.609406,93.119392

0.1061371,-0.494118,9.757333,1.975873,9.967636,78.566589,92.899017

0.1086055,-0.465404,9.750154,1.956731,9.955446,78.664787,92.732826

0.1110746,-0.467797,9.719048,1.959123,9.925568,78.616119,92.755630

0.1135429,-0.427119,9.695119,1.959123,9.900299,78.586678,92.522537

0.1160104,-0.436690,9.707084,1.951945,9.911016,78.641518,92.575813

0.1184787,-0.415155,9.678370,1.944767,9.880552,78.648483,92.456200

0.1209478,-0.384048,9.675977,1.971088,9.882166,78.494675,92.272926

0.1234161,-0.355334,9.628120,2.023730,9.844920,78.137672,92.113594

0.1258836,-0.379262,9.599406,1.987837,9.810399,78.309464,92.262520

0.1283520,-0.379262,9.604192,1.935195,9.804556,78.616379,92.261391

0.1308210,-0.470190,9.597013,1.928017,9.800051,78.653885,92.804871

0.1332894,-0.372084,10.022936,1.884946,10.205425,79.356339,92.126030

0.1357568,-0.362513,10.034900,1.870589,10.214192,79.447510,92.068924

0.1382252,-0.470190,9.664013,1.827518,9.846524,79.303864,92.785454

0.1406943,-0.563510,9.403194,1.808376,9.592072,79.133095,93.429489

0.1431626,-0.623330,9.211769,1.815554,9.409648,78.875237,93.871117

0.1456300,-0.716650,9.106484,1.820340,9.314251,78.729805,94.499718

0.1480984,-0.750150,9.037093,1.796412,9.244396,78.794739,94.745125

0.1505675,-0.798006,9.017950,1.746162,9.220050,79.082954,95.056984

0.1530358,-0.778864,9.080164,1.719841,9.274365,79.313194,94.902626

0.1555033,-0.759721,9.185448,1.693520,9.371107,79.588463,94.728127

0.1579716,-0.685544,9.312267,1.683949,9.488096,79.776978,94.210365

0.1604407,-0.640080,9.439087,1.686342,9.609881,79.893410,93.879379

0.1629090,-0.546760,9.601799,1.688735,9.764493,80.040825,93.259102

0.1653765,-0.465404,9.735797,1.722234,9.897901,79.979538,92.736847

0.1678448,-0.374477,9.841082,1.736591,10.000143,79.999512,92.179192

0.1703140,-0.295514,9.900902,1.765305,10.061386,79.894951,91.709610

0.1727823,-0.250050,9.946365,1.798804,10.110806,79.752007,91.440102

0.1752497,-0.206979,9.996614,1.825125,10.163967,79.655388,91.186134

0.1777181,-0.166301,10.003794,1.849054,10.174603,79.529320,90.952385

0.1801872,-0.171087,9.970294,1.887339,10.148797,79.282501,90.983078

0.1826555,-0.166301,9.934402,1.877768,10.111676,79.297882,90.959038

0.1851230,-0.166301,9.886545,1.882553,10.065557,79.220535,90.963676

0.1875914,-0.202194,9.798011,1.899303,9.982448,79.031792,91.182198

0.1900604,-0.228515,9.754940,1.944767,9.949532,78.728218,91.341942

0.1925287,-0.238086,9.671191,1.954338,9.869552,78.578987,91.410225

0.1949962,-0.266800,9.649655,1.973480,9.853002,78.445946,91.583748

0.1974645,-0.312263,9.606585,1.978266,9.813129,78.369827,91.861755

0.1999336,-0.326620,9.577870,1.980659,9.785975,78.322792,91.953117

0.2024020,-0.309871,9.570692,2.011766,9.784752,78.135254,91.854416

0.2048694,-0.336192,9.549157,2.006980,9.763575,78.137840,92.016350

0.2073378,-0.317049,9.551550,1.992623,9.762335,78.222397,91.901146

0.2098069,-0.297906,9.541979,1.995016,9.752855,78.196426,91.788231

0.2122752,-0.278764,9.530014,1.980659,9.737654,78.264023,91.675491

0.2147426,-0.252443,9.549157,1.966302,9.752768,78.368599,91.514328

0.2172110,-0.240479,9.549157,1.954338,9.750060,78.437096,91.442589

0.2196801,-0.242871,9.592228,1.932802,9.788031,78.611191,91.450394

0.2221484,-0.240479,9.616156,1.923231,9.809542,78.693512,91.432541

0.2246159,-0.245264,9.635299,1.904089,9.824698,78.824997,91.458138

0.2270843,-0.214158,9.640084,1.870589,9.822229,79.021278,91.272636

0.2295533,-0.197408,9.642477,1.868196,9.823771,79.037239,91.172836

0.2320217,-0.206979,9.625728,1.851447,9.804353,79.114952,91.231827

0.2344891,-0.185444,9.640084,1.813161,9.810869,79.349861,91.102051

0.2369575,-0.199801,9.654441,1.815554,9.825700,79.351921,91.185577

0.2394266,-0.223729,9.647263,1.789233,9.814330,79.495766,91.328506

0.2418949,-0.216550,9.647263,1.805983,9.817237,79.399475,91.285896

0.2443623,-0.209372,9.616156,1.798804,9.785192,79.407120,91.247299

0.2468307,-0.211765,9.604192,1.808376,9.775253,79.339142,91.263123

0.2492998,-0.185444,9.570692,1.774876,9.735641,79.495834,91.110039

0.2517681,-0.197408,9.573085,1.774876,9.738229,79.498650,91.181335

0.2542356,-0.183051,9.556335,1.772483,9.721047,79.494225,91.097359

0.2567039,-0.168694,9.553943,1.782055,9.720185,79.435898,91.011566

0.2591730,-0.175872,9.541979,1.772483,9.706801,79.478630,91.055923

0.2616414,-0.178265,9.599406,1.791626,9.766795,79.429771,91.063889

0.2641088,-0.183051,9.592228,1.786840,9.758951,79.449760,91.093254

0.2665772,-0.195015,9.597013,1.794019,9.765203,79.413750,91.164116

0.2690462,-0.192622,9.628120,1.803590,9.797486,79.392090,91.146118

0.2715146,-0.197408,9.632906,1.789233,9.799653,79.479851,91.174004

0.2739820,-0.197408,9.640084,1.805983,9.809779,79.391319,91.173126

0.2764504,-0.240479,9.656834,1.805983,9.827199,79.410339,91.426506

0.2789195,-0.233300,9.671191,1.810768,9.842014,79.398125,91.381889

0.2813878,-0.262014,9.687941,1.820340,9.860957,79.362144,91.549210

0.2838553,-0.290728,9.695119,1.834697,9.871472,79.288811,91.717613

0.2863236,-0.293121,9.668798,1.837090,9.846141,79.246758,91.736458

0.2887927,-0.271585,9.656834,1.868196,9.839632,79.055130,91.610939

0.2912610,-0.288335,9.613763,1.877768,9.799673,78.952934,91.717896

0.2937285,-0.317049,9.616156,1.906481,9.808448,78.792000,91.888382

0.2961968,-0.285942,9.628120,1.899303,9.817832,78.845551,91.701111

0.2986659,-0.317049,9.587442,1.908874,9.780766,78.745567,91.894035

0.3011343,-0.321835,9.601799,1.916053,9.796396,78.720955,91.919731

0.3036017,-0.314656,9.601799,1.901696,9.793365,78.803055,91.876945

0.3060701,-0.300299,9.606585,1.904089,9.798072,78.794235,91.790466

0.3085392,-0.312263,9.606585,1.911267,9.799843,78.753502,91.861755

0.3110075,-0.293121,9.611370,1.894517,9.800692,78.854309,91.746826

0.3134749,-0.307478,9.611370,1.899303,9.802057,78.827370,91.832329

0.3159433,-0.305085,9.611370,1.899303,9.801983,78.827286,91.818077

0.3184124,-0.324227,9.635299,1.901696,9.826523,78.841324,91.927277

0.3208807,-0.338584,9.652048,1.920838,9.847146,78.751450,92.009056

0.3233482,-0.331406,9.640084,1.916053,9.834242,78.764923,91.968933

0.3258165,-0.348156,9.652048,1.908874,9.845154,78.820129,92.065804

0.3282856,-0.355334,9.656834,1.908874,9.850101,78.825813,92.107315

0.3307540,-0.333799,9.666406,1.904089,9.857808,78.863014,91.977745

0.3332214,-0.336192,9.661619,1.906481,9.853659,78.844086,91.992897

0.3356898,-0.343370,9.664013,1.892125,9.853486,78.928963,92.034912

0.3381588,-0.340977,9.649655,1.868196,9.834748,79.049622,92.023743

0.3406272,-0.331406,9.678370,1.865803,9.862144,79.094574,91.961151

0.3430946,-0.357727,9.656834,1.861018,9.841025,79.099258,92.121490

0.3455630,-0.340977,9.654441,1.858625,9.837630,79.109642,92.022743

0.3480321,-0.362513,9.654441,1.858625,9.838401,79.110504,92.150375

0.3505004,-0.352941,9.640084,1.870589,9.826235,79.025810,92.096771

0.3529679,-0.352941,9.640084,1.858625,9.823964,79.094307,92.096771

0.3554362,-0.345763,9.647263,1.865803,9.832113,79.060852,92.052635

0.3579053,-0.360120,9.625728,1.882553,9.814699,78.941589,92.142563

0.3603736,-0.333799,9.635299,1.872982,9.821327,79.006035,91.984123

0.3628411,-0.319442,9.642477,1.880160,9.829263,78.972397,91.897438

0.3653094,-0.317049,9.630513,1.861018,9.813801,79.068649,91.885567

0.3677786,-0.307478,9.649655,1.841875,9.828677,79.199020,91.825058

0.3702469,-0.281157,9.628120,1.892125,9.816307,78.886497,91.672653

0.3727143,-0.269193,9.618548,1.872982,9.802908,78.985123,91.603111

0.3751827,-0.273978,9.613763,1.863411,9.796520,79.034874,91.632401

0.3776518,-0.252443,9.625728,1.868196,9.808594,79.020065,91.502289

0.3801201,-0.259621,9.613763,1.846661,9.792956,79.130638,91.546906

0.3825876,-0.259621,9.618548,1.863411,9.800825,79.039749,91.546135

0.3850559,-0.250050,9.620942,1.846661,9.799756,79.138275,91.488792

0.3875251,-0.259621,9.635299,1.853839,9.815453,79.113182,91.543449

0.3899933,-0.269193,9.616156,1.834697,9.793316,79.202309,91.603508

0.3924608,-0.262014,9.647263,1.841875,9.825010,79.194939,91.555740

0.3949291,-0.262014,9.640084,1.853839,9.820213,79.118530,91.556892

0.3973982,-0.262014,9.649655,1.846661,9.828258,79.170151,91.555351

0.3998666,-0.250050,9.644870,1.875375,9.828686,79.000160,91.485100

0.4023340,-0.254836,9.668798,1.856232,9.848665,79.136169,91.509766

0.4048024,-0.278764,9.675977,1.861018,9.857263,79.117439,91.650230

0.4072714,-0.262014,9.656834,1.858625,9.837559,79.109566,91.554199

0.4097398,-0.254836,9.642477,1.856232,9.822825,79.107246,91.513885

0.4122072,-0.247657,9.647263,1.825125,9.821511,79.290512,91.470528

0.4146756,-0.269193,9.640084,1.846661,9.819055,79.159882,91.599525

0.4171447,-0.247657,9.608977,1.856232,9.789759,79.070000,91.476387

0.4196130,-0.242871,9.608977,1.853839,9.789186,79.083611,91.447868

0.4220805,-0.218943,9.606585,1.853839,9.786272,79.080322,91.305603

0.4245489,-0.226122,9.604192,1.846661,9.782729,79.119141,91.348724

0.4270179,-0.216550,9.582657,1.856232,9.763186,79.039886,91.294556

0.4294862,-0.209372,9.608977,1.863411,9.790229,79.027740,91.248230

0.4319537,-0.192622,9.597013,1.865803,9.778599,79.000244,91.149834

0.4344221,-0.206979,9.623335,1.880160,9.807467,78.947578,91.232132

0.4368912,-0.209372,9.620942,1.882553,9.805630,78.931236,91.246681

0.4393595,-0.218943,9.632906,1.877768,9.816660,78.972290,91.302032

0.4418269,-0.204586,9.625728,1.882553,9.810224,78.936485,91.217590

0.4442953,-0.199801,9.652048,1.887339,9.836869,78.938431,91.185875

0.4467644,-0.209372,9.620942,1.887339,9.806550,78.903793,91.246681

0.4492327,-0.242871,9.656834,1.880160,9.841160,78.985893,91.440697

0.4517002,-0.257228,9.642477,1.882553,9.827896,78.956627,91.528091

0.4541685,-0.266800,9.642477,1.875375,9.826778,78.998001,91.584923

0.4566377,-0.285942,9.623335,1.865803,9.806710,79.032166,91.701950

0.4591059,-0.312263,9.625728,1.853839,9.807592,79.104355,91.858055

0.4615734,-0.300299,9.630513,1.849054,9.811012,79.136658,91.786018

0.4640417,-0.329013,9.618548,1.861018,9.802454,79.055840,91.959099

0.4665109,-0.324227,9.613763,1.863411,9.798054,79.036613,91.931587

0.4689792,-0.312263,9.573085,1.846661,9.754569,79.087341,91.868263

0.4714466,-0.326620,9.594621,1.839482,9.774821,79.153076,91.949715

0.4739150,-0.340977,9.589835,1.861018,9.774691,79.024368,92.036354

0.4763841,-0.340977,9.594621,1.841875,9.775762,79.139847,92.035339

0.4788524,-0.343370,9.620942,1.839482,9.801231,79.182655,92.044014

0.4813198,-0.317049,9.644870,1.856232,9.826984,79.111908,91.882767

0.4837882,-0.329013,9.656834,1.849054,9.837768,79.166557,91.951340

0.4862573,-0.309871,9.685548,1.856232,9.866684,79.156250,91.832443

0.4887256,-0.281157,9.673584,1.844268,9.851832,79.210548,91.664795

0.4911931,-0.264407,9.664013,1.841875,9.841522,79.213287,91.567215

0.4936615,-0.271585,9.687941,1.877768,9.871979,79.034851,91.605774

0.4961306,-0.257228,9.680762,1.872982,9.863640,79.053780,91.522057

0.4985988,-0.266800,9.680762,1.884946,9.866173,78.985855,91.578659

0.5010663,-0.247657,9.687941,1.901696,9.875929,78.897858,91.464355

0.5035347,-0.240479,9.687941,1.901696,9.875751,78.897652,91.421928

0.5060038,-0.240479,9.675977,1.904089,9.864477,78.870644,91.423691

0.5084721,-0.235693,9.659226,1.908874,9.848858,78.824387,91.397789

0.5109395,-0.252443,9.654441,1.913660,9.845510,78.792145,91.497818

0.5134079,-0.230907,9.625728,1.911267,9.816359,78.772667,91.374184

0.5158769,-0.226122,9.616156,1.918446,9.808263,78.720528,91.347046

0.5183453,-0.209372,9.632906,1.901696,9.821057,78.835030,91.245132

0.5208127,-0.228515,9.640084,1.908874,9.829915,78.802574,91.357918

0.5232812,-0.171087,9.637691,1.894517,9.823623,78.880661,91.016998

0.5257503,-0.168694,9.628120,1.887339,9.812809,78.910965,91.003777

0.5282185,-0.154337,9.632906,1.906481,9.820966,78.806465,90.917908

0.5306860,-0.159123,9.625728,1.894517,9.811685,78.866959,90.947067

0.5331544,-0.168694,9.656834,1.887339,9.840982,78.943108,91.000793

0.5356235,-0.137587,9.649655,1.916053,9.839005,78.770439,90.816879

0.5380918,-0.142373,9.623335,1.908874,9.811862,78.781700,90.847603

0.5405592,-0.128016,9.644870,1.930410,9.836990,78.682838,90.760437

0.5430276,-0.142373,9.620942,1.904089,9.808586,78.806404,90.847816

0.5454967,-0.156730,9.625728,1.896910,9.812108,78.853203,90.932831

0.5479650,-0.156730,9.594621,1.906481,9.783455,78.762993,90.935852

0.5504324,-0.175872,9.582657,1.911267,9.772983,78.722183,91.051445

0.5529009,-0.183051,9.589835,1.925624,9.782969,78.648102,91.093529

0.5553699,-0.180658,9.575478,1.896910,9.763231,78.796677,91.080856

0.5578382,-0.195015,9.568299,1.896910,9.756467,78.788811,91.167603

0.5603057,-0.190229,9.556335,1.908874,9.746976,78.706047,91.140388

0.5627741,-0.202194,9.570692,1.918446,9.763169,78.667740,91.210266

0.5652432,-0.195015,9.599406,1.908874,9.789302,78.755516,91.163826

0.5677115,-0.192622,9.642477,1.880160,9.825959,78.968643,91.144409

0.5701789,-0.187837,9.687941,1.870589,9.868667,79.073578,91.110748

0.5726473,-0.197408,9.692726,1.884946,9.876282,78.997269,91.166756

0.5751164,-0.206979,9.714262,1.834697,9.888166,79.307106,91.220604

0.5775847,-0.197408,9.731011,1.820340,9.901777,79.406509,91.162170

0.5800521,-0.171087,9.733404,1.798804,9.899703,79.531036,91.007004

0.5825205,-0.166301,9.714262,1.779662,9.877335,79.619972,90.980766

0.5849896,-0.166301,9.671191,1.770091,9.833250,79.629616,90.985130

0.5874579,-0.144766,9.616156,1.753341,9.775766,79.667755,90.862488

0.5899253,-0.147159,9.575478,1.729413,9.731510,79.763443,90.880470

0.5923937,-0.135194,9.527621,1.719841,9.682547,79.768677,90.812958

0.5948628,-0.120838,9.486943,1.698306,9.638513,79.851501,90.729752

0.5973311,-0.123230,9.458230,1.683949,9.607757,79.905647,90.746460

0.5997986,-0.108873,9.460623,1.681556,9.609520,79.922005,90.659332

0.6022670,-0.099302,9.465408,1.693520,9.616227,79.856705,90.601074

0.6047360,-0.128016,9.482158,1.671985,9.629291,80.000748,90.773491

0.6072043,-0.156730,9.532407,1.679163,9.680441,80.010986,90.941963

0.6096718,-0.171087,9.570692,1.688735,9.720043,79.994812,91.024117

0.6121402,-0.185444,9.606585,1.712663,9.759819,79.893349,91.105888

0.6146093,-0.190229,9.659226,1.755734,9.819340,79.699921,91.128242

0.6170776,-0.223729,9.704690,1.791626,9.871221,79.542862,91.320648

0.6195450,-0.250050,9.716655,1.810768,9.887102,79.447029,91.474136

0.6220134,-0.302692,9.733404,1.839482,9.910322,79.303139,91.781227

0.6244826,-0.329013,9.754940,1.856232,9.935426,79.232178,91.931732

0.6269509,-0.326620,9.774082,1.872982,9.957280,79.157974,91.913940

0.6294183,-0.343370,9.752547,1.863411,9.934907,79.189461,92.016449

0.6318867,-0.360120,9.731011,1.884946,9.918432,79.044601,92.119400

0.6343558,-0.381655,9.709476,1.918446,9.904546,78.831589,92.250992

0.6368241,-0.374477,9.678370,1.925624,9.875176,78.755486,92.215790

0.6392915,-0.364905,9.652048,1.918446,9.847620,78.766190,92.165092

0.6417599,-0.360120,9.652048,1.959123,9.855450,78.534035,92.136726

0.6442290,-0.352941,9.606585,1.961516,9.811146,78.467293,92.104073

0.6466973,-0.333799,9.599406,1.978266,9.806811,78.362228,91.991539

0.6491647,-0.317049,9.611370,1.971088,9.816524,78.416672,91.889320

0.6516331,-0.305085,9.597013,1.987837,9.805470,78.303505,91.820793

0.6541023,-0.293121,9.613763,1.997409,9.823442,78.268196,91.746391

0.6565705,-0.273978,9.601799,1.985445,9.808751,78.321747,91.634438

0.6590379,-0.259621,9.601799,1.995016,9.810303,78.266533,91.548836

0.6615064,-0.259621,9.611370,1.985445,9.817731,78.332581,91.547295

0.6639755,-0.257228,9.611370,1.961516,9.812857,78.469330,91.533035

0.6664438,-0.235693,9.632906,1.971088,9.835324,78.439125,91.401604

0.6689112,-0.242871,9.635299,1.944767,9.832603,78.592392,91.443916

0.6713796,-0.209372,9.620942,1.932802,9.815401,78.643372,91.246681

0.6738487,-0.216550,9.654441,1.928017,9.847455,78.709221,91.284935

0.6763170,-0.199801,9.628120,1.937588,9.823180,78.624008,91.188820

0.6787844,-0.180658,9.652048,1.923231,9.843450,78.732971,91.072281

0.6812528,-0.221336,9.652048,1.889732,9.837790,78.925278,91.313652

0.6837219,-0.183051,9.652048,1.892125,9.837463,78.910706,91.086487

0.6861902,-0.211765,9.647263,1.880160,9.831049,78.974426,91.257484

0.6886576,-0.199801,9.630513,1.870589,9.812533,79.010292,91.188522

0.6911260,-0.216550,9.618548,1.870589,9.801147,78.997368,91.289726

0.6935951,-0.228515,9.620942,1.880160,9.805598,78.945442,91.360619

0.6960634,-0.238086,9.644870,1.865803,9.826568,79.054604,91.414070

0.6985309,-0.252443,9.623335,1.861018,9.804881,79.058578,91.502655

0.7009993,-0.250050,9.611370,1.863411,9.793531,79.031487,91.490273

0.7034684,-0.247657,9.597013,1.851447,9.777109,79.084244,91.478226

0.7059366,-0.271585,9.589835,1.853839,9.771152,79.063217,91.622192

0.7084041,-0.252443,9.601799,1.856232,9.782835,79.062164,91.506027

0.7108725,-0.264407,9.594621,1.846661,9.774293,79.109634,91.578545

0.7133416,-0.269193,9.592228,1.870589,9.776626,78.969421,91.607506

0.7158099,-0.281157,9.597013,1.841875,9.776207,79.140350,91.678070

0.7182773,-0.293121,9.620942,1.880160,9.807317,78.947403,91.745087

0.7207457,-0.295514,9.620942,1.875375,9.806472,78.974930,91.759323

0.7232148,-0.297906,9.608977,1.872982,9.794348,78.975372,91.775764

0.7256831,-0.312263,9.611370,1.858625,9.794408,79.060997,91.860825

0.7281506,-0.300299,9.630513,1.872982,9.815551,78.999489,91.786018

0.7306189,-0.290728,9.630513,1.889732,9.818472,78.903214,91.729134

0.7330880,-0.295514,9.652048,1.858625,9.833811,79.105362,91.753662

0.7355563,-0.285942,9.661619,1.861018,9.843375,79.101891,91.695213

0.7380239,-0.309871,9.647263,1.892125,9.835946,78.908974,91.839714

0.7404922,-0.295514,9.649655,1.889732,9.837391,78.924820,91.754089

0.7429613,-0.312263,9.649655,1.889732,9.837908,78.925407,91.853447

0.7454296,-0.305085,9.637691,1.880160,9.824112,78.966537,91.813118

0.7478971,-0.307478,9.628120,1.894517,9.817558,78.873703,91.829140

0.7503654,-0.329013,9.659226,1.906481,9.851069,78.841110,91.950859

0.7528346,-0.343370,9.628120,1.930410,9.825736,78.669701,92.042488

0.7553028,-0.333799,9.649655,1.908874,9.842310,78.816856,91.981171

0.7577703,-0.367298,9.640084,1.911267,9.834585,78.793747,92.181976

0.7602386,-0.364905,9.628120,1.932802,9.826982,78.656929,92.170471

0.7627078,-0.364905,9.640084,1.935195,9.839174,78.656960,92.167778

0.7651761,-0.350549,9.644870,1.935195,9.843342,78.661827,92.081535

0.7676435,-0.357727,9.654441,1.932802,9.852509,78.686707,92.122017

0.7701119,-0.343370,9.664013,1.911267,9.857180,78.819763,92.034912

0.7725810,-0.367298,9.647263,1.908874,9.841158,78.815529,92.180359

0.7750493,-0.362513,9.666406,1.904089,9.858822,78.864174,92.147720

0.7775168,-0.360120,9.647263,1.906481,9.840428,78.828896,92.137787

0.7799851,-0.324227,9.642477,1.884946,9.830337,78.945198,91.925842

0.7824542,-0.331406,9.640084,1.901696,9.831454,78.846992,91.968933

0.7849225,-0.319442,9.632906,1.904089,9.824484,78.824753,91.899323

0.7873900,-0.324227,9.628120,1.918446,9.822742,78.737373,91.928711

0.7898583,-0.317049,9.623335,1.887339,9.811786,78.909790,91.886978

0.7923274,-0.293121,9.632906,1.901696,9.823199,78.837502,91.742920

0.7947958,-0.288335,9.625728,1.892125,9.814168,78.884048,91.715759

0.7972632,-0.257228,9.592228,1.889732,9.779984,78.858986,91.536095

0.7997316,-0.281157,9.616156,1.863411,9.799071,79.037766,91.674736

0.8022007,-0.285942,9.623335,1.875375,9.808536,78.977280,91.701950

0.8046690,-0.271585,9.616156,1.884946,9.802919,78.913887,91.617752

0.8071364,-0.259621,9.608977,1.856232,9.790069,79.070351,91.547676

0.8096048,-0.235693,9.625728,1.870589,9.808634,79.005867,91.402649

0.8120739,-0.254836,9.623335,1.872982,9.807220,78.990021,91.516899

0.8145422,-0.240479,9.611370,1.872982,9.795117,78.976250,91.433258

0.8170096,-0.250050,9.616156,1.846661,9.795056,79.132996,91.489532

0.8194780,-0.221336,9.632906,1.844268,9.810361,79.164383,91.316261

0.8219471,-0.226122,9.635299,1.853839,9.814624,79.112251,91.344376

0.8244154,-0.242871,9.625728,1.863411,9.807442,79.047234,91.445351

0.8268829,-0.230907,9.618548,1.853839,9.798291,79.093880,91.375206

0.8293512,-0.233300,9.623335,1.856232,9.803499,79.085503,91.388763

0.8318203,-0.230907,9.630513,1.858625,9.810943,79.079659,91.373497

0.8342887,-0.216550,9.642477,1.856232,9.821907,79.106209,91.286530

0.8367561,-0.233300,9.654441,1.851447,9.833134,79.147194,91.384285

0.8392244,-0.247657,9.597013,1.839482,9.774850,79.153107,91.478226

0.8416935,-0.230907,9.649655,1.856232,9.829281,79.114487,91.370773

0.8441619,-0.247657,9.618548,1.877768,9.803255,78.957016,91.474922

0.8466294,-0.250050,9.642477,1.861018,9.823608,79.079697,91.485466

0.8490977,-0.259621,9.623335,1.863411,9.805523,79.045067,91.545364

0.8515669,-0.271585,9.635299,1.863411,9.817588,79.058693,91.614540

0.8540351,-0.254836,9.632906,1.865803,9.815246,79.041824,91.515388

0.8565026,-0.252443,9.623335,1.851447,9.803069,79.113503,91.502655

0.8589709,-0.257228,9.618548,1.870589,9.802130,78.998482,91.531891

0.8614401,-0.254836,9.632906,1.856232,9.813430,79.096687,91.515388

0.8639084,-0.238086,9.611370,1.870589,9.794602,78.989922,91.418999

0.8663758,-0.233300,9.625728,1.872982,9.809032,78.992081,91.388412

0.8688442,-0.233300,9.616156,1.863411,9.797815,79.036339,91.389793

0.8713133,-0.221336,9.642477,1.856232,9.822013,79.106331,91.314949

0.8737816,-0.216550,9.642477,1.829911,9.816967,79.257065,91.286530

0.8762491,-0.216550,9.642477,1.839482,9.818755,79.202194,91.286530

0.8787174,-0.218943,9.642477,1.849054,9.820606,79.147400,91.300743

0.8811865,-0.214158,9.630513,1.825125,9.804271,79.271454,91.273903

0.8836548,-0.202194,9.649655,1.846661,9.826845,79.168579,91.200371

0.8861223,-0.199801,9.647263,1.834697,9.822205,79.234444,91.186462

0.8885906,-0.204586,9.640084,1.832304,9.814806,79.240456,91.215775

0.8910598,-0.192622,9.637691,1.858625,9.817163,79.086662,91.144981

0.8935280,-0.202194,9.620942,1.858625,9.800913,79.068344,91.203949

0.8959955,-0.206979,9.632906,1.844268,9.810048,79.164032,91.230904

0.8984639,-0.211765,9.632906,1.865803,9.814221,79.040665,91.259361

0.9009330,-0.228515,9.640084,1.861018,9.820734,79.076462,91.357918

0.9034013,-0.209372,9.616156,1.851447,9.795006,79.104431,91.247299

0.9058687,-0.202194,9.625728,1.870589,9.807886,79.005020,91.203354

0.9083371,-0.228515,9.630513,1.858625,9.810886,79.079597,91.359268

0.9108062,-0.204586,9.613763,1.865803,9.795280,79.019211,91.219101

0.9132745,-0.233300,9.611370,1.844268,9.789494,79.141006,91.390488

0.9157419,-0.230907,9.604192,1.853839,9.784199,79.077980,91.377258

0.9182103,-0.245264,9.599406,1.844268,9.778041,79.128136,91.463585

0.9206795,-0.245264,9.599406,1.856232,9.780304,79.059303,91.463585

0.9231477,-0.257228,9.606585,1.849054,9.786299,79.108887,91.533798

0.9256152,-0.266800,9.623335,1.834697,9.800300,79.210098,91.588074

0.9280835,-0.269193,9.613763,1.851447,9.794119,79.103439,91.603905

0.9305527,-0.273978,9.635299,1.846661,9.814489,79.154778,91.628761

0.9330209,-0.288335,9.642477,1.865803,9.825565,79.053474,91.712784

0.9354884,-0.319442,9.647263,1.841875,9.826710,79.196831,91.896492

0.9379568,-0.312263,9.652048,1.870589,9.836597,79.037514,91.852989

0.9404259,-0.297906,9.647263,1.880160,9.833282,78.976959,91.768723

0.9428942,-0.264407,9.630513,1.863411,9.812696,79.053169,91.572670

0.9453616,-0.285942,9.649655,1.868196,9.832994,79.047646,91.697311

0.9478301,-0.302692,9.644870,1.856232,9.826532,79.111404,91.797569

0.9502991,-0.264407,9.652048,1.853839,9.832023,79.131752,91.569160

0.9527674,-0.300299,9.652048,1.856232,9.833505,79.119217,91.782036

0.9552348,-0.266800,9.656834,1.844268,9.834986,79.191841,91.582573

0.9577033,-0.240479,9.664013,1.846661,9.841805,79.185242,91.425453

0.9601724,-0.254836,9.642477,1.822733,9.816550,79.299248,91.513885

0.9626407,-0.228515,9.661619,1.834697,9.836931,79.250755,91.354897

0.9651082,-0.252443,9.635299,1.844268,9.813461,79.167847,91.500793

0.9675765,-0.218943,9.642477,1.846661,9.820155,79.161110,91.300743

0.9700456,-0.218943,9.659226,1.856232,9.838404,79.124702,91.298485

0.9725139,-0.230907,9.654441,1.841875,9.831280,79.201920,91.370094

0.9749814,-0.230907,9.642477,1.851447,9.821331,79.133995,91.371796

0.9774497,-0.223729,9.637691,1.868196,9.819639,79.032570,91.329826

0.9799188,-0.216550,9.632906,1.865803,9.814326,79.040787,91.287811

0.9823872,-0.216550,9.644870,1.861018,9.825162,79.081444,91.286209

0.9848546,-0.221336,9.649655,1.872982,9.832237,79.018387,91.313972

0.9873229,-0.204586,9.632906,1.863411,9.813615,79.054207,91.216682

0.9897920,-0.221336,9.618548,1.851447,9.797618,79.107376,91.318222

0.9922603,-0.226122,9.630513,1.851447,9.809474,79.120697,91.345039

0.9947278,-0.228515,9.613763,1.849054,9.792632,79.116020,91.361633

0.9971962,-0.233300,9.594621,1.839482,9.772148,79.150070,91.392914

0.9996653,-0.238086,9.592228,1.846661,9.771268,79.106216,91.421829

1.0021336,-0.211765,9.616156,1.844268,9.793703,79.145729,91.261551

1.0046010,-0.226122,9.589835,1.856232,9.770449,79.048126,91.350746

1.0070695,-0.252443,9.582657,1.865803,9.765873,78.985733,91.509033

1.0095385,-0.228515,9.608977,1.853839,9.788839,79.083221,91.362312

1.0120069,-0.245264,9.618548,1.863411,9.800455,79.039330,91.460670

1.0144743,-0.266800,9.616156,1.872982,9.800495,78.982376,91.589264

1.0169426,-0.278764,9.644870,1.858625,9.826277,79.096909,91.655548

1.0194118,-0.264407,9.654441,1.863411,9.836180,79.079628,91.568771

1.0218801,-0.259621,9.654441,1.858625,9.835147,79.106865,91.540390

1.0243475,-0.283549,9.652048,1.858625,9.833459,79.104965,91.682701

1.0268159,-0.288335,9.673584,1.841875,9.851592,79.224449,91.707275

1.0292850,-0.297906,9.668798,1.829911,9.844947,79.287956,91.764786

1.0317533,-0.314656,9.656834,1.853839,9.838199,79.138664,91.866257

1.0342208,-0.307478,9.661619,1.841875,9.840424,79.212067,91.822800

1.0366892,-0.331406,9.661619,1.853839,9.843447,79.144524,91.964546

1.0391582,-0.338584,9.656834,1.863411,9.840801,79.084824,92.008064

1.0416266,-0.329013,9.644870,1.825125,9.821550,79.290550,91.953758

1.0440940,-0.331406,9.671191,1.841875,9.850597,79.223343,91.962608

1.0465623,-0.324227,9.640084,1.832304,9.818028,79.244026,91.926315

1.0490315,-0.321835,9.654441,1.827518,9.831156,79.286949,91.909271

1.0514997,-0.326620,9.668798,1.817947,9.843641,79.357384,91.934761

1.0539672,-0.326620,9.652048,1.839482,9.831196,79.216019,91.938118

1.0564356,-0.326620,9.656834,1.829911,9.834108,79.276009,91.937157

1.0589046,-0.329013,9.668798,1.822733,9.844606,79.330101,91.948929

1.0613730,-0.352941,9.649655,1.839482,9.829756,79.214417,92.094688

1.0638404,-0.300299,9.654441,1.827518,9.830475,79.286194,91.781601

1.0663089,-0.300299,9.625728,1.832304,9.803170,79.227531,91.786911

1.0687779,-0.317049,9.666406,1.820340,9.841420,79.340782,91.878571

1.0712463,-0.300299,9.637691,1.805983,9.810038,79.391602,91.784691

1.0737137,-0.333799,9.637691,1.825125,9.814662,79.282944,91.983627

1.0761821,-0.300299,9.656834,1.817947,9.831050,79.343597,91.781158

1.0786511,-0.293121,9.620942,1.820340,9.796024,79.290802,91.745087

1.0811194,-0.252443,9.618548,1.817947,9.792095,79.300705,91.503403

1.0835869,-0.254836,9.616156,1.822733,9.790697,79.270653,91.518028

1.0860553,-0.240479,9.604192,1.837090,9.781269,79.174583,91.434326

1.0885243,-0.240479,9.608977,1.837090,9.785968,79.179840,91.433609

1.0909927,-0.240479,9.616156,1.822733,9.790334,79.270248,91.432541

1.0934601,-0.254836,9.637691,1.829911,9.813186,79.252876,91.514633

1.0959285,-0.242871,9.625728,1.817947,9.798905,79.308228,91.445351

1.0983976,-0.254836,9.628120,1.825125,9.802895,79.269928,91.516144

1.1008658,-0.235693,9.654441,1.815554,9.826495,79.352798,91.398476

1.1033334,-0.226122,9.642477,1.837090,9.818523,79.216148,91.343376

1.1058017,-0.226122,9.652048,1.827518,9.826138,79.281410,91.342041

1.1082708,-0.221336,9.647263,1.822733,9.820438,79.303535,91.314301

1.1107391,-0.230907,9.654441,1.825125,9.828156,79.297836,91.370094

1.1132066,-0.226122,9.666406,1.825125,9.839798,79.310646,91.340050

1.1156750,-0.223729,9.647263,1.825125,9.820937,79.289879,91.328506

1.1181442,-0.233300,9.668798,1.834697,9.844095,79.258667,91.382233

1.1206123,-0.269193,9.642477,1.827518,9.817823,79.272224,91.599129

1.1230798,-0.271585,9.649655,1.849054,9.828968,79.156738,91.612137

1.1255482,-0.285942,9.647263,1.856232,9.828379,79.113472,91.697731

1.1280174,-0.293121,9.632906,1.856232,9.814499,79.097885,91.742920

1.1304857,-0.293121,9.649655,1.849054,9.829586,79.157433,91.739899

1.1329530,-0.295514,9.647263,1.865803,9.830474,79.059006,91.754524

1.1354214,-0.302692,9.625728,1.858625,9.808197,79.076561,91.801140

1.1378906,-0.319442,9.597013,1.817947,9.772903,79.279442,91.906418

1.1403589,-0.300299,9.637691,1.820340,9.812692,79.309204,91.784691

1.1428263,-0.312263,9.616156,1.825125,9.792806,79.258743,91.859901

1.1452947,-0.295514,9.604192,1.827518,9.780984,79.231339,91.762390

1.1477638,-0.312263,9.632906,1.832304,9.810593,79.235779,91.856667

1.1502321,-0.290728,9.613763,1.822733,9.789348,79.269157,91.732140

1.1526995,-0.300299,9.606585,1.813161,9.780807,79.316742,91.790466

1.1551678,-0.290728,9.616156,1.822733,9.791698,79.271767,91.731712

1.1576370,-0.300299,9.608977,1.820340,9.784491,79.278030,91.790024

1.1601053,-0.290728,9.620942,1.820340,9.795953,79.290726,91.730850

1.1625727,-0.273978,9.620942,1.825125,9.796361,79.262688,91.631187

1.1650411,-0.281157,9.640084,1.815554,9.813588,79.338631,91.670578

1.1675103,-0.262014,9.640084,1.837090,9.817065,79.214523,91.556892

1.1699786,-0.254836,9.625728,1.834697,9.802331,79.212357,91.516518

1.1724460,-0.269193,9.630513,1.822733,9.805182,79.286690,91.601120

1.1749144,-0.278764,9.664013,1.808376,9.835705,79.405426,91.652267

1.1773835,-0.290728,9.625728,1.825125,9.801543,79.268433,91.729988

1.1798518,-0.302692,9.647263,1.817947,9.821722,79.333359,91.797119

1.1823192,-0.305085,9.635299,1.825125,9.811378,79.279320,91.813568

1.1847875,-0.278764,9.644870,1.815554,9.818221,79.343719,91.655548

1.1872567,-0.285942,9.620942,1.803590,9.792713,79.386864,91.702377

1.1897250,-0.273978,9.632906,1.803590,9.804126,79.399361,91.629166

1.1921924,-0.283549,9.630513,1.808376,9.802929,79.369591,91.686462

1.1946608,-0.271585,9.654441,1.803590,9.825219,79.422379,91.611343

1.1971300,-0.271585,9.671191,1.796412,9.840365,79.481361,91.608551

1.1995983,-0.262014,9.671191,1.801197,9.840981,79.453690,91.551888

1.2020657,-0.283549,9.668798,1.817947,9.842306,79.355927,91.679787

1.2045339,-0.273978,9.668798,1.813161,9.841152,79.383011,91.623116

1.2070031,-0.285942,9.666406,1.813161,9.839142,79.380814,91.694374

1.2094715,-0.283549,9.656834,1.817947,9.830552,79.343048,91.681870

1.2119389,-0.297906,9.671191,1.820340,9.845523,79.345276,91.764351

1.2144072,-0.290728,9.652048,1.813161,9.825177,79.365547,91.725273

1.2168764,-0.309871,9.656834,1.791626,9.826514,79.494743,91.837891

1.2193447,-0.302692,9.659226,1.803590,9.830830,79.428482,91.794899

1.2218122,-0.333799,9.644870,1.820340,9.820824,79.318161,91.982155

1.2242806,-0.324227,9.644870,1.786840,9.814348,79.509987,91.925362

1.2267497,-0.329013,9.654441,1.789233,9.824348,79.506599,91.951820

1.2292179,-0.321835,9.640084,1.777269,9.807828,79.559799,91.912109

1.2316854,-0.317049,9.654441,1.786840,9.823520,79.519897,91.880898

1.2341539,-0.305085,9.659226,1.808376,9.831783,79.401154,91.809074

1.2366229,-0.329013,9.637691,1.817947,9.813169,79.323952,91.955215

1.2390912,-0.336192,9.654441,1.786840,9.824156,79.520584,91.994377

1.2415587,-0.329013,9.644870,1.794019,9.815817,79.468964,91.953758

1.2440270,-0.340977,9.668798,1.791626,9.839301,79.508553,92.019737

1.2464961,-0.345763,9.661619,1.779662,9.830241,79.569687,92.049583

1.2489644,-0.355334,9.656834,1.798804,9.829364,79.455269,92.107315

1.2514319,-0.357727,9.649655,1.789233,9.820650,79.502602,92.123070

1.2539003,-0.333799,9.649655,1.817947,9.825080,79.337044,91.981171

1.2563694,-0.345763,9.649655,1.813161,9.824610,79.364929,92.052124

1.2588376,-0.360120,9.661619,1.794019,9.833365,79.487968,92.134613

1.2613051,-0.348156,9.661619,1.786840,9.831627,79.528633,92.063759

1.2637734,-0.348156,9.652048,1.779662,9.820919,79.559677,92.065804

1.2662425,-0.326620,9.666406,1.805983,9.839088,79.423286,91.935242

1.2687109,-0.326620,9.671191,1.784447,9.839861,79.551666,91.934288

1.2711784,-0.352941,9.675977,1.791626,9.846777,79.516609,92.088997

1.2736467,-0.362513,9.685548,1.789233,9.856095,79.540779,92.143478

1.2761158,-0.360120,9.673584,1.791626,9.844686,79.514359,92.131973

1.2785841,-0.352941,9.656834,1.805983,9.830594,79.414040,92.093132

1.2810515,-0.333799,9.649655,1.813161,9.824196,79.364471,91.981171

1.2835200,-0.338584,9.649655,1.791626,9.820408,79.488136,92.009552

1.2859890,-0.355334,9.620942,1.801197,9.794544,79.403107,92.115166

1.2884573,-0.326620,9.620942,1.796412,9.792666,79.429535,91.944382

1.2909248,-0.355334,9.628120,1.794019,9.800279,79.452072,92.113594

1.2933931,-0.348156,9.604192,1.808376,9.779159,79.343452,92.076088

1.2958622,-0.360120,9.597013,1.801197,9.771216,79.377518,92.148964

1.2983305,-0.338584,9.608977,1.815554,9.784851,79.306946,92.018051

1.3007981,-0.348156,9.594621,1.801197,9.768433,79.374451,92.078156

1.3032664,-0.338584,9.592228,1.791626,9.763985,79.426697,92.021576

1.3057355,-0.326620,9.625728,1.772483,9.793009,79.572296,91.943413

1.3082038,-0.321835,9.628120,1.791626,9.798684,79.464569,91.914490

1.3106713,-0.350549,9.630513,1.801197,9.803774,79.413200,92.084633

1.3131396,-0.352941,9.652048,1.825125,9.829430,79.299240,92.094170

1.3156086,-0.360120,9.668798,1.825125,9.846138,79.317612,92.133026

1.3180770,-0.340977,9.675977,1.822733,9.852063,79.338272,92.018242

1.3205445,-0.352941,9.668798,1.839482,9.848550,79.235245,92.090546

1.3230128,-0.345763,9.680762,1.832304,9.858704,79.288933,92.045532

1.3254819,-0.364905,9.695119,1.856232,9.877959,79.168777,92.155487

1.3279502,-0.350549,9.699904,1.820340,9.875458,79.377945,92.069733

1.3304178,-0.364905,9.683155,1.837090,9.862634,79.264954,92.158142

1.3328861,-0.362513,9.702297,1.851447,9.884020,79.203743,92.139778

1.3353553,-0.362513,9.654441,1.813161,9.829913,79.370735,92.150375

1.3378234,-0.324227,9.647263,1.820340,9.822853,79.320396,91.924889

1.3402909,-0.345763,9.635299,1.817947,9.811395,79.321999,92.055176

1.3427593,-0.312263,9.630513,1.813161,9.804686,79.343063,91.857132

1.3452284,-0.312263,9.611370,1.805983,9.784555,79.363655,91.860825

1.3476968,-0.321835,9.632906,1.815554,9.807787,79.332245,91.913536

1.3501642,-0.297906,9.623335,1.817947,9.798074,79.307312,91.773117

1.3526325,-0.278764,9.618548,1.808376,9.791038,79.356529,91.660072

1.3551017,-0.276371,9.611370,1.825125,9.787027,79.252327,91.647064

1.3575701,-0.266800,9.618548,1.803590,9.789821,79.383690,91.588867

1.3600374,-0.262014,9.637691,1.796412,9.807183,79.445366,91.557281

1.3625058,-0.273978,9.644870,1.817947,9.818529,79.329849,91.627144

1.3649750,-0.285942,9.654441,1.808376,9.826506,79.395393,91.696472

1.3674432,-0.288335,9.664013,1.813161,9.836861,79.378326,91.708969

1.3699106,-0.285942,9.656834,1.789233,9.825353,79.507683,91.696053

1.3723789,-0.285942,9.659226,1.791626,9.828140,79.496506,91.695633

1.3748481,-0.297906,9.649655,1.779662,9.816914,79.555367,91.768288

1.3773165,-0.281157,9.649655,1.794019,9.819033,79.472450,91.668922

1.3797839,-0.281157,9.654441,1.760519,9.817673,79.669762,91.668098

1.3822522,-0.285942,9.635299,1.803590,9.806818,79.402306,91.699844

1.3847214,-0.276371,9.637691,1.779662,9.804523,79.542023,91.642570

1.3871896,-0.262014,9.623335,1.772483,9.788714,79.567665,91.559601

1.3896570,-0.266800,9.608977,1.784447,9.776905,79.483620,91.590446

1.3921255,-0.226122,9.601799,1.794019,9.770577,79.419640,91.349060

1.3945947,-0.259621,9.620942,1.784447,9.788472,79.496193,91.545753

1.3970629,-0.242871,9.642477,1.779662,9.808341,79.546135,91.442841

1.3995303,-0.218943,9.644870,1.786840,9.811435,79.506836,91.300423

1.4019986,-0.226122,9.630513,1.774876,9.795310,79.560539,91.345039

1.4044678,-0.214158,9.649655,1.786840,9.816032,79.511810,91.271370

1.4069362,-0.230907,9.654441,1.794019,9.822426,79.476128,91.370094

1.4094036,-0.211765,9.666406,1.803590,9.835506,79.433571,91.254997

1.4118719,-0.218943,9.671191,1.774876,9.835144,79.603287,91.296883

1.4143411,-0.223729,9.678370,1.767698,9.841019,79.652054,91.324234

1.4168093,-0.223729,9.685548,1.782055,9.850666,79.577408,91.323257

1.4192767,-0.254836,9.654441,1.777269,9.819972,79.572853,91.512009

1.4217451,-0.257228,9.649655,1.774876,9.814897,79.581604,91.526955

1.4242142,-0.271585,9.664013,1.791626,9.832438,79.501144,91.609749

1.4266826,-0.266800,9.647263,1.784447,9.814535,79.524399,91.584137

1.4291500,-0.276371,9.666406,1.798804,9.836232,79.462715,91.637688

1.4316183,-0.269193,9.673584,1.801197,9.843526,79.456444,91.593994

1.4340875,-0.314656,9.652048,1.777269,9.819355,79.572189,91.867180

1.4365559,-0.302692,9.652048,1.796412,9.822461,79.461967,91.796227

1.4390234,-0.309871,9.644870,1.796412,9.815632,79.454552,91.840164

1.4414917,-0.324227,9.644870,1.794019,9.815659,79.468788,91.925362

1.4439608,-0.314656,9.647263,1.789233,9.816824,79.498459,91.868103

1.4464290,-0.312263,9.647263,1.794019,9.817621,79.470917,91.853905

1.4488965,-0.319442,9.640084,1.786840,9.809488,79.504738,91.897903

1.4513649,-0.324227,9.616156,1.796412,9.787884,79.424316,91.931107

1.4538339,-0.340977,9.611370,1.786840,9.781999,79.474907,92.031799

1.4563023,-0.338584,9.644870,1.789233,9.815269,79.496780,92.010551

1.4587698,-0.338584,9.613763,1.798804,9.786459,79.408508,92.017052

1.4612381,-0.367298,9.623335,1.803590,9.797776,79.392410,92.185776

1.4637072,-0.360120,9.618548,1.815554,9.795018,79.318176,92.144157

1.4661756,-0.391227,9.661619,1.803590,9.836305,79.434441,92.318802

1.4686431,-0.376870,9.632906,1.803590,9.807540,79.403091,92.240448

1.4711114,-0.386441,9.644870,1.803590,9.819663,79.416328,92.294441

1.4735804,-0.403191,9.664013,1.805983,9.839577,79.423820,92.389038

1.4760487,-0.393619,9.673584,1.803590,9.848152,79.447296,92.330086

1.4785162,-0.384048,9.656834,1.810768,9.832640,79.387901,92.277428

1.4809846,-0.376870,9.644870,1.805983,9.819731,79.402199,92.237671

1.4834536,-0.386441,9.656834,1.829911,9.836277,79.278404,92.291603

1.4859220,-0.362513,9.671191,1.827518,9.849019,79.306602,92.146660

1.4883895,-0.384048,9.666406,1.841875,9.847812,79.220261,92.275177

1.4908578,-0.412762,9.673584,1.803590,9.848936,79.448143,92.443268

1.4933269,-0.405583,9.678370,1.803590,9.853338,79.452911,92.399643

1.4957951,-0.405583,9.671191,1.822733,9.849812,79.335808,92.401421

1.4982626,-0.405583,9.692726,1.794019,9.865695,79.522804,92.396095

1.5007311,-0.417548,9.666406,1.810768,9.843406,79.399643,92.473396

1.5032002,-0.388834,9.637691,1.822733,9.816244,79.298904,92.310349

1.5056684,-0.403191,9.649655,1.815554,9.827240,79.353615,92.392593

1.5081359,-0.386441,9.647263,1.794019,9.820260,79.473778,92.293877

1.5106043,-0.367298,9.671191,1.820340,9.847867,79.347839,92.174965

1.5130733,-0.376870,9.637691,1.794019,9.810486,79.463173,92.239334

1.5155417,-0.350549,9.649655,1.796412,9.821702,79.461143,92.080498

1.5180092,-0.352941,9.635299,1.794019,9.807245,79.459656,92.097809

1.5204775,-0.367298,9.640084,1.808376,9.815108,79.382935,92.181976

1.5229466,-0.343370,9.652048,1.796412,9.823799,79.463417,92.037430

1.5254149,-0.309871,9.637691,1.813161,9.811660,79.350723,91.841537

1.5278825,-0.319442,9.652048,1.786840,9.821246,79.517441,91.895554

1.5303507,-0.317049,9.652048,1.798804,9.823352,79.448738,91.881363

1.5328197,-0.290728,9.644870,1.779662,9.811995,79.550072,91.726563

1.5352881,-0.302692,9.652048,1.779662,9.819412,79.558052,91.796227

1.5377556,-0.285942,9.642477,1.755734,9.805189,79.684891,91.698578

1.5402240,-0.262014,9.652048,1.746162,9.812225,79.749168,91.554970

1.5426930,-0.235693,9.654441,1.748555,9.814338,79.737206,91.398476

1.5451615,-0.252443,9.637691,1.743770,9.797426,79.747734,91.500420

1.5476289,-0.226122,9.640084,1.734198,9.797439,79.804626,91.343704

1.5500972,-0.197408,9.644870,1.753341,9.804932,79.698830,91.172546

1.5525664,-0.204586,9.640084,1.738984,9.797813,79.776588,91.215775

1.5550346,-0.199801,9.640084,1.741377,9.798140,79.762711,91.187347

1.5575020,-0.183051,9.628120,1.736591,9.785191,79.777489,91.089180

1.5599704,-0.171087,9.640084,1.772483,9.803173,79.583229,91.016747

1.5624396,-0.168694,9.632906,1.748555,9.791771,79.713295,91.003273

1.5649079,-0.175872,9.642477,1.760519,9.803454,79.654617,91.044922

1.5673753,-0.187837,9.652048,1.758126,9.812662,79.678635,91.114883

1.5698436,-0.183051,9.649655,1.746162,9.808080,79.744789,91.086754

1.5723128,-0.226122,9.654441,1.762912,9.816681,79.654510,91.341713

1.5747812,-0.240479,9.647263,1.777269,9.812552,79.564880,91.427925

1.5772486,-0.238086,9.628120,1.755734,9.789790,79.668488,91.416534

1.5797168,-0.262014,9.635299,1.770091,9.800043,79.594086,91.557671

1.5821860,-0.288335,9.642477,1.770091,9.807840,79.602448,91.712784

1.5846543,-0.295514,9.644870,1.767698,9.809975,79.618942,91.754959

1.5871217,-0.314656,9.642477,1.753341,9.805640,79.699577,91.869026

1.5895902,-0.300299,9.637691,1.755734,9.800912,79.680336,91.784691

1.5920593,-0.317049,9.611370,1.748555,9.774272,79.694672,91.889320

1.5945276,-0.336192,9.625728,1.753341,9.789886,79.682823,92.000320

1.5969950,-0.314656,9.652048,1.743770,9.813347,79.764549,91.867180

1.5994633,-0.317049,9.640084,1.750948,9.802937,79.710922,91.883698

1.6019325,-0.336192,9.640084,1.758126,9.804859,79.670326,91.997345

1.6044009,-0.340977,9.649655,1.760519,9.814863,79.666771,92.023743

1.6068681,-0.340977,9.642477,1.753341,9.806520,79.700516,92.025246

1.6093366,-0.360120,9.649655,1.770091,9.817268,79.612549,92.137253

1.6118058,-0.343370,9.652048,1.753341,9.816014,79.710587,92.037430

1.6142740,-0.319442,9.661619,1.770091,9.827622,79.623611,91.893677

1.6167414,-0.348156,9.675977,1.772483,9.843142,79.625992,92.060699

1.6192098,-0.348156,9.678370,1.765305,9.844204,79.669594,92.060188

1.6216789,-0.355334,9.685548,1.762912,9.851089,79.691040,92.101074

1.6241473,-0.350549,9.675977,1.760519,9.841079,79.694603,92.074844

1.6266147,-0.352941,9.690333,1.758126,9.854854,79.723297,92.085907

1.6290830,-0.331406,9.685548,1.746162,9.847271,79.786041,91.959702

1.6315522,-0.338584,9.690333,1.762912,9.855205,79.695396,92.001122

1.6340204,-0.319442,9.680762,1.743770,9.841744,79.794403,91.889938

1.6364880,-0.297906,9.654441,1.746162,9.815602,79.752731,91.767410

1.6389564,-0.271585,9.659226,1.750948,9.820398,79.729416,91.610542

1.6414254,-0.259621,9.635299,1.724627,9.791870,79.855667,91.543449

1.6438937,-0.269193,9.649655,1.715056,9.804577,79.925766,91.597946

1.6463611,-0.269193,9.640084,1.705484,9.793486,79.971107,91.599525

1.6488296,-0.262014,9.649655,1.727020,9.806482,79.856743,91.555351

1.6512986,-0.245264,9.635299,1.736591,9.793614,79.786377,91.458138

1.6537670,-0.254836,9.652048,1.722234,9.807806,79.886520,91.512383

1.6562345,-0.254836,9.620942,1.734198,9.779311,79.785522,91.517273

1.6587029,-0.247657,9.623335,1.727020,9.780210,79.829201,91.474182

1.6611719,-0.273978,9.630513,1.710270,9.785033,79.933899,91.629570

1.6636403,-0.245264,9.649655,1.729413,9.806471,79.842522,91.455971

1.6661077,-0.264407,9.666406,1.724627,9.822609,79.887749,91.566833

1.6685760,-0.278764,9.659226,1.722234,9.815521,79.894554,91.653091

1.6710451,-0.276371,9.668798,1.707877,9.822367,79.986725,91.637283

1.6735134,-0.266800,9.664013,1.736591,9.822427,79.816658,91.581398

1.6759809,-0.283549,9.675977,1.729413,9.833402,79.870636,91.678543

1.6784493,-0.283549,9.695119,1.758126,9.857319,79.725899,91.675232

1.6809183,-0.300299,9.678370,1.750948,9.840063,79.750168,91.777199

1.6833867,-0.295514,9.680762,1.777269,9.846988,79.601776,91.748459

1.6858542,-0.321835,9.690333,1.777269,9.857222,79.612694,91.902206

1.6883225,-0.312263,9.668798,1.774876,9.835312,79.603470,91.849777

1.6907916,-0.331406,9.687941,1.779662,9.855618,79.596840,91.959213

1.6932598,-0.336192,9.680762,1.794019,9.851329,79.507355,91.988960

1.6957273,-0.329013,9.692726,1.782055,9.860675,79.588104,91.944122

1.6981958,-0.331406,9.659226,1.786840,9.828696,79.525475,91.965034

1.7006648,-0.324227,9.666406,1.784447,9.835079,79.546524,91.921074

1.7031331,-0.324227,9.652048,1.767698,9.817939,79.627457,91.923935

1.7056006,-0.345763,9.659226,1.750948,9.822730,79.731880,92.050095

1.7080690,-0.364905,9.652048,1.753341,9.816792,79.711411,92.165092

1.7105380,-0.357727,9.642477,1.734198,9.803713,79.811218,92.124649

1.7130064,-0.362513,9.644870,1.736591,9.806664,79.800117,92.152512

1.7154738,-0.374477,9.635299,1.750948,9.800257,79.708076,92.225685

1.7179422,-0.360120,9.635299,1.755734,9.800575,79.679977,92.140434

1.7204113,-0.384048,9.637691,1.758126,9.804264,79.669693,92.281944

1.7228795,-0.386441,9.637691,1.734198,9.800096,79.807419,92.296150

1.7253470,-0.381655,9.630513,1.750948,9.795829,79.703377,92.269432

1.7278154,-0.398405,9.649655,1.758126,9.816597,79.682816,92.364227

1.7302845,-0.381655,9.635299,1.729413,9.796709,79.832298,92.268303

1.7327528,-0.355334,9.666406,1.746162,9.829280,79.767143,92.105225

1.7352203,-0.348156,9.649655,1.734198,9.810429,79.818268,92.066315

1.7376887,-0.352941,9.673584,1.710270,9.829945,79.980362,92.089516

1.7401577,-0.317049,9.666406,1.717448,9.822909,79.930588,91.878571

1.7426261,-0.331406,9.654441,1.679163,9.804981,80.139137,91.966011

1.7450936,-0.314656,9.659226,1.703092,9.813266,80.005714,91.865791

1.7475619,-0.295514,9.654441,1.683949,9.804654,80.110420,91.753227

1.7500311,-0.331406,9.664013,1.683949,9.815226,80.121178,91.964066

1.7524992,-0.314656,9.668798,1.698306,9.821858,80.042892,91.863945

1.7549667,-0.324227,9.680762,1.717448,9.837272,79.945442,91.918228

1.7574351,-0.326620,9.673584,1.691127,9.825722,80.089348,91.933807

1.7599043,-0.343370,9.661619,1.715056,9.818666,79.940376,92.035416

1.7623726,-0.357727,9.668798,1.686342,9.821272,80.113152,92.118866

1.7648400,-0.338584,9.661619,1.698306,9.815588,80.036469,92.007065

1.7673084,-0.360120,9.664013,1.703092,9.819539,80.012169,92.134079

1.7697775,-0.381655,9.659226,1.695913,9.814400,80.049431,92.262695

1.7722459,-0.376870,9.654441,1.710270,9.811996,79.961845,92.235458

1.7747133,-0.405583,9.649655,1.719841,9.810107,79.903114,92.406776

1.7771816,-0.407976,9.647263,1.746162,9.812502,79.749458,92.421555

1.7796507,-0.393619,9.635299,1.727020,9.796761,79.846565,92.339333

1.7821190,-0.424726,9.649655,1.731805,9.813022,79.835182,92.520226

1.7845864,-0.436690,9.635299,1.736591,9.800277,79.793396,92.594978

1.7870548,-0.412762,9.644870,1.736591,9.808651,79.802200,92.450539

1.7895240,-0.446261,9.644870,1.760519,9.814382,79.666260,92.649147

1.7919923,-0.436690,9.620942,1.779662,9.793898,79.530548,92.598846

1.7944597,-0.443869,9.644870,1.782055,9.818159,79.542511,92.634964

1.7969280,-0.439083,9.642477,1.786840,9.816463,79.512276,92.607239

1.7993972,-0.412762,9.664013,1.805983,9.839974,79.424248,92.445686

1.8018655,-0.429512,9.666406,1.796412,9.841290,79.482361,92.544174

1.8043329,-0.424726,9.664013,1.791626,9.837858,79.506996,92.516487

1.8068013,-0.410369,9.659226,1.805983,9.835173,79.419029,92.432732

1.8092705,-0.424726,9.704690,1.789233,9.877386,79.563576,92.505951

1.8117387,-0.424726,9.671191,1.789233,9.844475,79.528290,92.514618

1.8142061,-0.398405,9.661619,1.808376,9.837471,79.407349,92.361305

1.8166745,-0.400798,9.659226,1.805983,9.834778,79.418594,92.376053

1.8191437,-0.412762,9.649655,1.817947,9.828079,79.340340,92.449318

1.8216120,-0.396012,9.623335,1.813161,9.800660,79.338631,92.356461

1.8240794,-0.429512,9.637691,1.825125,9.818383,79.287056,92.551743

1.8265477,-0.400798,9.647263,1.794019,9.820836,79.474403,92.378998

1.8290169,-0.405583,9.637691,1.801197,9.812945,79.423210,92.409760

1.8314852,-0.410369,9.628120,1.784447,9.800682,79.509422,92.440582

1.8339527,-0.398405,9.628120,1.803590,9.803692,79.398888,92.369507

1.8364209,-0.398405,9.637691,1.801197,9.812652,79.422890,92.367157

1.8388901,-0.393619,9.666406,1.791626,9.838916,79.508141,92.331818

1.8413584,-0.407976,9.666406,1.791626,9.839500,79.508766,92.416771

1.8438258,-0.398405,9.644870,1.794019,9.818388,79.471748,92.365395

1.8462942,-0.388834,9.654441,1.784447,9.825664,79.536400,92.306351

1.8487633,-0.396012,9.668798,1.784447,9.840057,79.551872,92.345398

1.8512317,-0.379262,9.640084,1.767698,9.808150,79.616989,92.252983

1.8536991,-0.372084,9.649655,1.755734,9.815136,79.695457,92.208191

1.8561676,-0.372084,9.640084,1.736591,9.802317,79.795547,92.210381

1.8586366,-0.374477,9.649655,1.750948,9.814372,79.723045,92.222374

1.8611048,-0.372084,9.668798,1.727020,9.828871,79.880089,92.203827

1.8635722,-0.357727,9.659226,1.727020,9.818921,79.869728,92.120964

1.8660407,-0.369691,9.642477,1.695913,9.797457,80.032051,92.195633

1.8685098,-0.357727,9.647263,1.705484,9.803383,79.981339,92.123596

1.8709781,-0.333799,9.647263,1.688735,9.799639,80.076904,91.981667

1.8734456,-0.340977,9.659226,1.719841,9.817065,79.910347,92.021744

1.8759140,-0.309871,9.647263,1.712663,9.803005,79.938339,91.839714

1.8783830,-0.300299,9.652048,1.719841,9.808673,79.901627,91.782036

1.8808514,-0.317049,9.652048,1.722234,9.809620,79.888412,91.881363

1.8833189,-0.293121,9.652048,1.712663,9.807199,79.942688,91.739464

1.8857872,-0.288335,9.637691,1.729413,9.795872,79.831421,91.713631

1.8882563,-0.273978,9.644870,1.710270,9.799164,79.948563,91.627144

1.8907245,-0.295514,9.661619,1.717448,9.817528,79.925011,91.751923

1.8931921,-0.278764,9.637691,1.727020,9.795173,79.844902,91.656784

1.8956604,-0.276371,9.649655,1.717448,9.805195,79.912209,91.640533

1.8981295,-0.273978,9.659226,1.719841,9.814967,79.908165,91.624725

1.9005978,-0.300299,9.656834,1.703092,9.810460,80.002831,91.781158

1.9030653,-0.300299,9.666406,1.722234,9.823221,79.902557,91.779396

1.9055337,-0.307478,9.673584,1.722234,9.830506,79.910118,91.820549

1.9080027,-0.288335,9.680762,1.731805,9.838671,79.861961,91.706009

1.9104710,-0.295514,9.673584,1.722234,9.830139,79.909737,91.749756

1.9129385,-0.290728,9.671191,1.738984,9.830591,79.811035,91.721863

1.9154069,-0.300299,9.673584,1.738984,9.833233,79.813805,91.778076

1.9178760,-0.309871,9.656834,1.722234,9.814099,79.893074,91.837891

1.9203442,-0.300299,9.668798,1.743770,9.829373,79.781418,91.778954

1.9228117,-0.319442,9.671191,1.741377,9.831906,79.798248,91.891808

1.9252801,-0.336192,9.635299,1.762912,9.801013,79.637787,91.998337

1.9277492,-0.352941,9.616156,1.743770,9.779353,79.728584,92.101982

1.9302175,-0.350549,9.649655,1.731805,9.810091,79.832115,92.080498

1.9326850,-0.338584,9.628120,1.722234,9.786798,79.864586,92.014046

1.9351534,-0.367298,9.642477,1.717448,9.801118,79.907967,92.181442

1.9376224,-0.369691,9.620942,1.736591,9.783401,79.775604,92.200546

1.9400908,-0.367298,9.632906,1.734198,9.794653,79.801697,92.183601

1.9425583,-0.357727,9.635299,1.715056,9.793282,79.914024,92.126228

1.9450265,-0.364905,9.635299,1.743770,9.798615,79.748993,92.168854

1.9474956,-0.352941,9.654441,1.743770,9.817002,79.768402,92.093651

1.9499639,-0.350549,9.666406,1.715056,9.823629,79.945511,92.076897

1.9524314,-0.340977,9.637691,1.736591,9.798832,79.791878,92.026253

1.9548998,-0.348156,9.652048,1.705484,9.807748,79.985840,92.065804

1.9573689,-0.352941,9.637691,1.722234,9.796721,79.874962,92.097290

1.9598372,-0.362513,9.661619,1.715056,9.819354,79.941086,92.148781

1.9623047,-0.336192,9.659226,1.698306,9.813150,80.033966,91.993385

1.9647731,-0.348156,9.632906,1.727020,9.792686,79.842300,92.069901

1.9672422,-0.386441,9.637691,1.719841,9.797565,79.890053,92.296150

1.9697104,-0.379262,9.659226,1.715056,9.817633,79.939301,92.248520

1.9721779,-0.400798,9.678370,1.729413,9.839834,79.877327,92.371361

1.9746463,-0.417548,9.685548,1.746162,9.850547,79.789474,92.468513

1.9771155,-0.427119,9.716655,1.738984,9.880278,79.862816,92.516953

1.9795837,-0.424726,9.711869,1.719841,9.872115,79.967194,92.504105

1.9820511,-0.412762,9.692726,1.736591,9.855712,79.851418,92.438454

1.9845195,-0.391227,9.702297,1.724627,9.862148,79.928711,92.309090

1.9869887,-0.431904,9.707084,1.746162,9.872339,79.812256,92.547623

1.9894570,-0.419940,9.704690,1.741377,9.868625,79.836609,92.477753

1.9919244,-0.400798,9.678370,1.727020,9.839415,79.891045,92.371361

1.9943928,-0.424726,9.673584,1.748555,9.839515,79.763748,92.514000

1.9968619,-0.381655,9.666406,1.727020,9.826884,79.878021,92.261017

1.9993302,-0.386441,9.630513,1.736591,9.793461,79.786217,92.297859

2.0017977,-0.398405,9.637691,1.755734,9.804408,79.684059,92.367157

2.0042660,-0.374477,9.620942,1.743770,9.784861,79.734428,92.229004

2.0067351,-0.376870,9.623335,1.734198,9.785604,79.792168,92.242676

2.0092034,-0.367298,9.625728,1.753341,9.791003,79.684013,92.185234

2.0116708,-0.360120,9.620942,1.738984,9.783469,79.761436,92.143631

2.0141392,-0.350549,9.647263,1.755734,9.811991,79.692116,92.081017

2.0166082,-0.345763,9.664013,1.750948,9.827436,79.736855,92.049080

2.0190766,-0.338584,9.661619,1.715056,9.818500,79.940201,92.007065

2.0215442,-0.348156,9.652048,1.743770,9.814478,79.765739,92.065804

2.0240126,-0.336192,9.652048,1.734198,9.812365,79.820297,91.994873

2.0264816,-0.350549,9.661619,1.724627,9.820596,79.885651,92.077927

2.0289497,-0.348156,9.666406,1.729413,9.826061,79.862991,92.062737

2.0314174,-0.348156,9.649655,1.719841,9.807900,79.900818,92.066315

2.0338857,-0.350549,9.671191,1.753341,9.835092,79.730759,92.075874

2.0363548,-0.348156,9.668798,1.746162,9.831376,79.769348,92.062225

2.0388231,-0.357727,9.647263,1.750948,9.811395,79.719887,92.123596

2.0412905,-0.362513,9.659226,1.703092,9.814917,80.007416,92.149315

2.0437589,-0.352941,9.640084,1.743770,9.802883,79.753510,92.096771

2.0462279,-0.355334,9.661619,1.736591,9.822876,79.817131,92.106270

2.0486963,-0.338584,9.652048,1.743770,9.814143,79.765388,92.009056

2.0511639,-0.345763,9.649655,1.729413,9.809499,79.845695,92.052124

2.0536323,-0.343370,9.652048,1.715056,9.809248,79.930611,92.037430

2.0561013,-0.312263,9.652048,1.722234,9.809466,79.888252,91.852989

2.0585694,-0.302692,9.671191,1.717448,9.827166,79.934998,91.792679

2.0610371,-0.305085,9.675977,1.719841,9.832368,79.926216,91.805946

2.0635054,-0.319442,9.678370,1.722234,9.835597,79.915398,91.890404

2.0659745,-0.317049,9.642477,1.717448,9.799363,79.906143,91.883232

2.0684428,-0.324227,9.664013,1.727020,9.822468,79.873421,91.921555

2.0709102,-0.324227,9.647263,1.715056,9.803887,79.925049,91.924889

2.0733786,-0.314656,9.661619,1.719841,9.818541,79.911880,91.865326

2.0758479,-0.343370,9.647263,1.736591,9.808330,79.801865,92.038437

2.0783160,-0.329013,9.647263,1.760519,9.812102,79.663834,91.953278

2.0807834,-0.302692,9.642477,1.782055,9.810438,79.534187,91.798012

2.0832520,-0.331406,9.632906,1.782055,9.801961,79.525032,91.970398

2.0857210,-0.331406,9.644870,1.798804,9.816773,79.441589,91.967957

2.0881894,-0.307478,9.649655,1.789233,9.818948,79.500763,91.825058

2.0906568,-0.312263,9.642477,1.779662,9.810305,79.548248,91.854828

2.0931251,-0.297906,9.644870,1.796412,9.815261,79.454147,91.769165

2.0955942,-0.305085,9.635299,1.798804,9.806516,79.430420,91.813568

2.0980625,-0.305085,9.652048,1.829911,9.828717,79.270058,91.810417

2.1005299,-0.278764,9.652048,1.822733,9.826602,79.310318,91.654320

2.1029983,-0.290728,9.652048,1.817947,9.826062,79.338120,91.725273

2.1054676,-0.288335,9.659226,1.837090,9.836599,79.236198,91.709816

2.1079359,-0.307478,9.652048,1.813161,9.825687,79.366104,91.824608

2.1104033,-0.317049,9.649655,1.813161,9.823641,79.363869,91.881836

2.1128714,-0.307478,9.666406,1.808376,9.838911,79.408920,91.821899

2.1153407,-0.314656,9.649655,1.789233,9.819176,79.501007,91.867638

2.1178091,-0.336192,9.664013,1.782055,9.832695,79.558144,91.992401

2.1202765,-0.329013,9.678370,1.782055,9.846563,79.573013,91.946999

2.1227448,-0.326620,9.649655,1.774876,9.816960,79.583817,91.938599

2.1252139,-0.336192,9.652048,1.784447,9.821370,79.531769,91.994873

2.1276822,-0.362513,9.668798,1.750948,9.832747,79.742455,92.147186

2.1301496,-0.360120,9.640084,1.767698,9.807429,79.616219,92.139374

2.1326180,-0.381655,9.652048,1.770091,9.820434,79.615929,92.264374

2.1350873,-0.405583,9.647263,1.741377,9.811553,79.776855,92.407372

2.1375556,-0.393619,9.644870,1.743770,9.809138,79.760109,92.337013

2.1400228,-0.407976,9.647263,1.727020,9.809114,79.859489,92.421555

2.1424913,-0.403191,9.659226,1.712663,9.818168,79.954041,92.390221

2.1449604,-0.429512,9.654441,1.683949,9.809608,80.115463,92.547325

2.1474288,-0.410369,9.652048,1.691127,9.807668,80.070915,92.434540

2.1498961,-0.398405,9.642477,1.719841,9.802752,79.895462,92.365982

2.1523645,-0.396012,9.654441,1.695913,9.810259,80.045189,92.348877

2.1548336,-0.376870,9.656834,1.683949,9.809798,80.115654,92.234901

2.1573019,-0.362513,9.647263,1.695913,9.801898,80.036613,92.151978

2.1597695,-0.376870,9.671191,1.669592,9.821482,80.212532,92.231590

2.1622376,-0.348156,9.664013,1.631307,9.806911,80.424767,92.063248

2.1647067,-0.340977,9.649655,1.624128,9.791318,80.451973,92.023743

2.1671751,-0.338584,9.652048,1.602593,9.790045,80.578499,92.009056

2.1696427,-0.352941,9.644870,1.581058,9.779970,80.696571,92.095726

2.1721110,-0.345763,9.664013,1.595415,9.800920,80.631584,92.049080

2.1745801,-0.338584,9.632906,1.624128,9.774728,80.435616,92.013046

2.1770484,-0.352941,9.659226,1.645664,9.804766,80.337555,92.092613

2.1795158,-0.374477,9.656834,1.655235,9.804818,80.280869,92.220726

2.1819842,-0.376870,9.664013,1.657628,9.812386,80.274261,92.233246

2.1844532,-0.398405,9.666406,1.660021,9.815997,80.263702,92.360130

2.1869216,-0.393619,9.671191,1.669592,9.822139,80.213196,92.330666

2.1893890,-0.400798,9.675977,1.717448,9.835384,79.943489,92.371948

2.1918573,-0.403191,9.664013,1.717448,9.823712,79.931419,92.389038

2.1943264,-0.388834,9.685548,1.724627,9.845576,79.911583,92.298950

2.1967947,-0.422333,9.687941,1.748555,9.853527,79.778458,92.496155

2.1992624,-0.424726,9.675977,1.779662,9.847442,79.588112,92.513382

2.2017307,-0.436690,9.675977,1.758126,9.844096,79.711945,92.584084

2.2041998,-0.422333,9.685548,1.762912,9.853733,79.693840,92.496773

2.2066681,-0.422333,9.673584,1.798804,9.848466,79.475952,92.499855

2.2091355,-0.436690,9.664013,1.808376,9.841446,79.411674,92.587280

2.2116039,-0.431904,9.687941,1.801197,9.863420,79.477951,92.552650

2.2140729,-0.434297,9.680762,1.794019,9.855165,79.511482,92.568672

2.2165413,-0.422333,9.659226,1.803590,9.835240,79.433281,92.503563

2.2190087,-0.398405,9.656834,1.794019,9.830141,79.484482,92.362473

2.2214770,-0.429512,9.671191,1.803590,9.847301,79.446373,92.542915

2.2239461,-0.427119,9.675977,1.803590,9.851898,79.451355,92.527519

2.2264144,-0.410369,9.687941,1.798804,9.862063,79.490631,92.425529

2.2288821,-0.403191,9.692726,1.784447,9.863860,79.577370,92.381973

2.2313504,-0.362513,9.690333,1.774876,9.858203,79.627876,92.142418

2.2338195,-0.360120,9.680762,1.762912,9.846558,79.686249,92.130394

2.2362876,-0.379262,9.685548,1.767698,9.852839,79.664604,92.242416

2.2387552,-0.343370,9.659226,1.753341,9.823072,79.718056,92.035919

2.2412236,-0.333799,9.675977,1.741377,9.837090,79.803680,91.975784

2.2436926,-0.340977,9.654441,1.734198,9.814883,79.822937,92.022743

2.2461610,-0.333799,9.647263,1.746162,9.809698,79.746498,91.981667

2.2486284,-0.331406,9.637691,1.767698,9.804065,79.612617,91.969421

2.2510967,-0.302692,9.632906,1.712663,9.788652,79.923431,91.799797

2.2535658,-0.348156,9.628120,1.727020,9.787978,79.837357,92.070930

2.2560341,-0.314656,9.625728,1.734198,9.785759,79.792328,91.872276

2.2585018,-0.312263,9.637691,1.729413,9.796605,79.832184,91.855743

2.2609701,-0.350549,9.640084,1.748555,9.803650,79.725891,92.082565

2.2634392,-0.343370,9.647263,1.734198,9.807906,79.815620,92.038437

2.2659078,-0.329013,9.628120,1.753341,9.791994,79.685066,91.957153

2.2683749,-0.338584,9.642477,1.736591,9.803456,79.796745,92.011047

2.2708433,-0.333799,9.652048,1.736591,9.812706,79.806465,91.980682

2.2733123,-0.326620,9.640084,1.719841,9.797743,79.890244,91.940521

2.2757809,-0.348156,9.630513,1.715056,9.788229,79.908768,92.070419

2.2782481,-0.340977,9.652048,1.712663,9.808746,79.944290,92.023239

2.2807164,-0.331406,9.654441,1.707877,9.809939,79.973907,91.966011

2.2831855,-0.343370,9.647263,1.719841,9.805378,79.898193,92.038437

2.2856541,-0.321835,9.632906,1.729413,9.792207,79.827568,91.913536

2.2881215,-0.314656,9.661619,1.710270,9.816869,79.966881,91.865326

2.2905898,-0.324227,9.671191,1.736591,9.831216,79.825859,91.920128

2.2930591,-0.297906,9.664013,1.750948,9.825870,79.735199,91.765663

2.2955272,-0.319442,9.678370,1.738984,9.838544,79.819359,91.890404

2.2979946,-0.307478,9.668798,1.731805,9.827480,79.850296,91.821449

2.3004630,-0.319442,9.695119,1.717448,9.851244,79.959846,91.887138

2.3029323,-0.319442,9.704690,1.734198,9.863594,79.873734,91.885277

2.3054006,-0.293121,9.680762,1.731805,9.838813,79.862114,91.734314

2.3078678,-0.324227,9.699904,1.738984,9.859885,79.841629,91.914444

2.3103361,-0.314656,9.683155,1.722234,9.840152,79.920113,91.861183

2.3128054,-0.319442,9.695119,1.734198,9.854177,79.863953,91.887138

2.3152738,-0.285942,9.675977,1.722234,9.832211,79.911888,91.692703

2.3177412,-0.307478,9.666406,1.734198,9.825548,79.834106,91.821899

2.3202095,-0.302692,9.675977,1.707877,9.830209,79.994797,91.791794

2.3226788,-0.317049,9.659226,1.722234,9.816683,79.895767,91.879967

2.3251472,-0.317049,9.656834,1.729413,9.815591,79.852066,91.880432

2.3276143,-0.314656,9.649655,1.705484,9.804260,79.982239,91.867638

2.3300827,-0.329013,9.616156,1.710270,9.772600,79.920952,91.959587

2.3325520,-0.326620,9.637691,1.691127,9.790387,80.053215,91.941002

2.3350203,-0.314656,9.613763,1.695913,9.767270,80.000923,91.874611

2.3374875,-0.307478,9.611370,1.686342,9.763028,80.053574,91.832329

2.3399558,-0.321835,9.616156,1.683949,9.767790,80.072716,91.916870

2.3424251,-0.329013,9.625728,1.717448,9.783277,79.889366,91.957642

2.3448935,-0.338584,9.628120,1.719841,9.786378,79.878372,92.014046

2.3473608,-0.345763,9.616156,1.741377,9.778670,79.742111,92.059265

2.3498292,-0.360120,9.628120,1.765305,9.795238,79.617386,92.142029

2.3522985,-0.357727,9.632906,1.770091,9.800717,79.594810,92.126755

2.3547666,-0.362513,9.630513,1.786840,9.801581,79.496170,92.155716

2.3572340,-0.345763,9.659226,1.777269,9.827456,79.580879,92.050095

2.3597023,-0.360120,9.640084,1.786840,9.810897,79.506256,92.139374

2.3621716,-0.348156,9.652048,1.777269,9.820485,79.573402,92.065804

2.3646400,-0.362513,9.637691,1.789233,9.809071,79.490067,92.154114

2.3671072,-0.372084,9.654441,1.815554,9.830712,79.357414,92.207100

2.3695755,-0.376870,9.642477,1.825125,9.820920,79.289856,92.238228

2.3720448,-0.388834,9.656834,1.798804,9.830631,79.456642,92.305779

2.3745131,-0.388834,9.642477,1.803590,9.817408,79.413864,92.309204

2.3769808,-0.407976,9.647263,1.808376,9.823764,79.392395,92.421555

2.3794491,-0.417548,9.640084,1.786840,9.813173,79.508720,92.480141

2.3819182,-0.417548,9.656834,1.782055,9.828759,79.553917,92.475845

2.3843863,-0.419940,9.637691,1.786840,9.810925,79.506287,92.494957

2.3868539,-0.448654,9.642477,1.784447,9.816461,79.526474,92.663994

2.3893223,-0.429512,9.654441,1.803590,9.830852,79.428505,92.547325

2.3917913,-0.441476,9.649655,1.820340,9.829770,79.328003,92.619476

2.3942597,-0.458226,9.644870,1.813161,9.824512,79.364822,92.720062

2.3967271,-0.467797,9.654441,1.813161,9.834359,79.375595,92.774040

2.3991954,-0.467797,9.654441,1.801197,9.832160,79.444115,92.774040

2.4016645,-0.477368,9.659226,1.798804,9.836881,79.463417,92.829308

2.4041328,-0.451047,9.652048,1.813161,9.831227,79.372169,92.675529

2.4066005,-0.463011,9.644870,1.798804,9.822097,79.447372,92.748428

2.4090688,-0.455833,9.637691,1.758126,9.807339,79.672966,92.707893

2.4115379,-0.463011,9.623335,1.753341,9.792709,79.685829,92.754570

2.4140062,-0.474975,9.647263,1.762912,9.818509,79.656456,92.818634

2.4164736,-0.472582,9.620942,1.750948,9.790387,79.697594,92.812119

2.4189420,-0.458226,9.635299,1.738984,9.801684,79.780663,92.722763

2.4214110,-0.477368,9.647263,1.750948,9.816484,79.725281,92.832809

2.4238794,-0.448654,9.649655,1.782055,9.823078,79.547806,92.662010

2.4263468,-0.460618,9.647263,1.765305,9.818255,79.641991,92.733566

2.4288151,-0.429512,9.647263,1.762912,9.816415,79.654228,92.549217

2.4312842,-0.422333,9.671191,1.803590,9.846992,79.446037,92.500473

2.4337525,-0.424726,9.707084,1.777269,9.877578,79.634338,92.505333

2.4362202,-0.412762,9.699904,1.767698,9.868297,79.680969,92.436646

2.4386885,-0.374477,9.687941,1.772483,9.855867,79.639534,92.213600

2.4411576,-0.357727,9.685548,1.784447,9.855052,79.567947,92.115204

2.4436257,-0.384048,9.680762,1.786840,9.851773,79.550285,92.271805

2.4460933,-0.352941,9.673584,1.746162,9.836253,79.774475,92.089516

2.4485617,-0.338584,9.649655,1.738984,9.810940,79.790413,92.009552

2.4510307,-0.343370,9.635299,1.741377,9.797412,79.761940,92.040970

2.4534991,-0.357727,9.606585,1.743770,9.770116,79.718765,92.132576

2.4559665,-0.326620,9.611370,1.753341,9.775445,79.667412,91.946320

2.4584348,-0.350549,9.606585,1.746162,9.770284,79.704689,92.089821

2.4609039,-0.384048,9.606585,1.758126,9.773687,79.637016,92.289330

2.4633722,-0.384048,9.604192,1.765305,9.772630,79.593094,92.289894

2.4658399,-0.391227,9.613763,1.772483,9.783619,79.562172,92.330330

2.4683082,-0.381655,9.656834,1.791626,9.829040,79.497475,92.263252

2.4707773,-0.407976,9.654441,1.786840,9.826875,79.523514,92.419762

2.4732456,-0.400798,9.652048,1.791626,9.825100,79.493217,92.377823

2.4757130,-0.400798,9.671191,1.794019,9.844342,79.499825,92.373116

2.4781814,-0.393619,9.666406,1.772483,9.835448,79.617790,92.331818

2.4806504,-0.400798,9.685548,1.777269,9.855412,79.610764,92.369606

2.4831188,-0.427119,9.704690,1.774876,9.874899,79.645607,92.520050

2.4855862,-0.386441,9.731011,1.782055,9.900386,79.630325,92.274155

2.4880545,-0.405583,9.728619,1.784447,9.899231,79.615021,92.387260

2.4905236,-0.403191,9.709476,1.791626,9.881620,79.553993,92.377869

2.4929919,-0.419940,9.702297,1.784447,9.873964,79.588158,92.478363

2.4954596,-0.429512,9.699904,1.796412,9.874194,79.517807,92.535400

2.4979279,-0.431904,9.675977,1.779662,9.847754,79.588440,92.555801

2.5003970,-0.470190,9.654441,1.786840,9.829654,79.526512,92.788208

2.5028651,-0.465404,9.647263,1.782055,9.821507,79.546112,92.761925

2.5053327,-0.472582,9.620942,1.765305,9.792965,79.614944,92.812119

2.5078011,-0.474975,9.616156,1.777269,9.790544,79.541161,92.827736

2.5102701,-0.494118,9.618548,1.791626,9.796456,79.462143,92.940773

2.5127385,-0.489332,9.589835,1.801197,9.769785,79.375938,92.921051

2.5152059,-0.491725,9.632906,1.786840,9.809560,79.504814,92.922203

2.5176742,-0.520439,9.652048,1.798804,9.832019,79.458145,93.086403

2.5201433,-0.522832,9.647263,1.794019,9.826572,79.480621,93.102104

2.5226116,-0.520439,9.675977,1.796412,9.855074,79.497238,93.078781

2.5250793,-0.522832,9.692726,1.779662,9.868611,79.610695,93.087578

2.5275476,-0.522832,9.704690,1.798804,9.883828,79.514030,93.083778

2.5300167,-0.549153,9.719048,1.801197,9.899786,79.517044,93.233932

2.5324850,-0.553938,9.716655,1.805983,9.898576,79.487572,93.262856

2.5349524,-0.561117,9.716655,1.801197,9.898108,79.515244,93.305046

2.5374207,-0.568295,9.709476,1.808376,9.892781,79.467247,93.349701

2.5398898,-0.541974,9.690333,1.808376,9.872514,79.445381,93.201180

2.5423582,-0.558724,9.675977,1.832304,9.863774,79.294502,93.304787

2.5448256,-0.563510,9.668798,1.827518,9.856116,79.314392,93.335495

2.5472939,-0.508475,9.632906,1.839482,9.820139,79.203728,93.021568

2.5497630,-0.518046,9.620942,1.822733,9.805777,79.287346,93.082153

2.5522313,-0.506082,9.606585,1.861018,9.798264,79.051102,93.015594

2.5546989,-0.513260,9.597013,1.856232,9.788345,79.068398,93.061333

2.5571673,-0.506082,9.625728,1.868196,9.818397,79.031158,93.009613

2.5596364,-0.520439,9.642477,1.853839,9.832850,79.132683,93.089462

2.5621045,-0.551546,9.680762,1.844268,9.870293,79.230965,93.260811

2.5645721,-0.546760,9.704690,1.858625,9.896183,79.174858,93.224625

2.5670404,-0.573081,9.745368,1.868196,9.939355,79.166275,93.365433

2.5695095,-0.589831,9.762118,1.889732,9.960820,79.063759,93.457626

2.5719779,-0.608973,9.809975,1.904089,10.011594,79.036224,93.552193

2.5744452,-0.620937,9.855438,1.920838,10.060062,78.992523,93.605133

2.5769136,-0.668794,9.872188,1.908874,10.077260,79.080833,93.875595

2.5793827,-0.704686,9.872188,1.935195,10.084723,78.936676,94.082901

2.5818510,-0.735793,9.888938,1.930410,10.102424,78.983955,94.255287

2.5843186,-0.802792,9.862617,1.925624,10.080858,78.987808,94.653473

2.5867870,-0.838684,9.855438,1.899303,10.071763,79.130249,94.864075

2.5892560,-0.915255,9.821939,1.913660,10.048396,79.021286,95.323715

2.5917244,-0.965504,9.790833,1.882553,10.016816,79.167450,95.631905

2.5941918,-1.037289,9.742975,1.870589,9.975000,79.191460,96.077118

2.5966601,-1.094716,9.707084,1.889732,9.949721,79.051414,96.434341

2.5991292,-1.188036,9.685548,1.901696,9.941716,78.972244,96.993011

2.6015975,-1.259821,9.649655,1.908874,9.916995,78.902153,97.438240

2.6040649,-1.343570,9.640084,1.937588,9.924246,78.741386,97.934387

2.6065333,-1.417747,9.625728,1.935195,9.920162,78.750778,98.378700

2.6090024,-1.508675,9.635299,1.928017,9.941445,78.817352,98.898994

2.6114707,-1.563710,9.647263,1.949552,9.965722,78.718719,99.206909

2.6139383,-1.659423,9.644870,1.971088,9.983105,78.612564,99.762291

2.6164067,-1.690529,9.647263,1.980659,9.992526,78.567459,99.939262

2.6188757,-1.738386,9.671191,2.002194,10.028096,78.483009,100.190033

2.6213439,-1.781456,9.707084,1.995016,10.068820,78.571907,100.399277

2.6238115,-1.824527,9.719048,2.011766,10.091382,78.500763,100.632217

2.6262798,-1.817349,9.714262,1.992623,10.081676,78.600548,100.596436

2.6287489,-1.846063,9.740582,1.951945,10.104305,78.861603,100.731575

2.6312172,-1.822134,9.764511,1.928017,10.118454,79.015434,100.570267

2.6336846,-1.776671,9.790833,1.923231,10.134880,79.061012,100.285126

2.6361530,-1.726422,9.798011,1.906481,10.129967,79.152115,99.993011

2.6386220,-1.635494,9.821939,1.894517,10.135803,79.227295,99.453835

2.6410904,-1.532603,9.824331,1.920838,10.126992,79.066177,98.866714

2.6435580,-1.408176,9.829117,1.918446,10.113107,79.064789,98.153046

2.6460264,-1.286142,9.829117,1.930410,10.099117,78.980309,97.454811

2.6484954,-1.183251,9.824331,1.947159,10.085088,78.867821,96.867676

2.6509638,-1.044467,9.821939,1.932802,10.064647,78.928215,96.070030

2.6534312,-0.948754,9.821939,1.944767,10.057471,78.850754,95.517395

2.6558995,-0.826720,9.807582,1.923231,10.028506,78.943527,94.818298

2.6583686,-0.678365,9.798011,1.918446,10.007079,78.947472,93.960556

2.6608369,-0.582652,9.798011,1.904089,9.998302,79.021469,93.403168

2.6633043,-0.474975,9.788439,1.889732,9.980492,79.085579,92.778046

2.6657727,-0.388834,9.781260,1.870589,9.966110,79.181702,92.276474

2.6682417,-0.273978,9.766904,1.872982,9.948646,79.148453,91.606819

2.6707101,-0.192622,9.776475,1.837090,9.949446,79.359718,91.128731

2.6731777,-0.108873,9.786046,1.794019,9.949726,79.612282,90.637413

2.6756461,-0.080160,9.788439,1.798804,9.952671,79.587379,90.469200

2.6781154,0.020339,9.750154,1.765305,9.908694,79.737564,89.880478

2.6805832,0.104088,9.742975,1.722234,9.894568,79.976128,89.387909

2.6830509,0.187837,9.709476,1.688735,9.857030,80.135262,88.891708

2.6855192,0.269193,9.659226,1.676770,9.807379,80.155762,88.403641

2.6879885,0.345763,9.623335,1.633700,9.767144,80.371170,87.942268

2.6904569,0.439083,9.563514,1.614557,9.708778,80.427315,87.371262

2.6929240,0.522832,9.503694,1.566701,9.646144,80.652771,86.851128

2.6953924,0.582652,9.472587,1.561915,9.618157,80.654221,86.480209

2.6978617,0.608973,9.429516,1.533201,9.572739,80.783630,86.304878

2.7003300,0.675972,9.391231,1.492523,9.533089,80.992577,85.883003

2.7027974,0.709472,9.374481,1.528415,9.524720,80.765923,85.672035

2.7052658,0.704686,9.369696,1.506880,9.516221,80.888947,85.698936

2.7077351,0.702293,9.374481,1.504487,9.520378,80.907539,85.715668

2.7102034,0.661615,9.386445,1.516451,9.531144,80.845055,85.968102

2.7126706,0.618545,9.391231,1.533201,9.535645,80.747459,86.231712

2.7151389,0.563510,9.455837,1.537987,9.596656,80.777847,86.589554

2.7176082,0.477368,9.463016,1.554736,9.601758,80.681526,87.112122

2.7200766,0.388834,9.486943,1.578665,9.625251,80.560104,87.652977

2.7225437,0.293121,9.522836,1.614557,9.663184,80.381721,88.236946

2.7250121,0.171087,9.553943,1.628914,9.693320,80.325829,88.974091

2.7274814,0.070588,9.553943,1.655235,9.696526,80.171249,89.576683

2.7299497,-0.037089,9.530014,1.660021,9.673583,80.118935,90.222984

2.7324171,-0.175872,9.539586,1.660021,9.684539,80.130226,91.056190

2.7348855,-0.293121,9.537193,1.698306,9.691657,79.907738,91.760399

2.7373548,-0.396012,9.518050,1.703092,9.677325,79.863853,92.382500

2.7398229,-0.506082,9.539586,1.717448,9.706155,79.808174,93.036736

2.7422903,-0.613759,9.534800,1.750948,9.713646,79.615295,93.683075

2.7447586,-0.673580,9.522836,1.817947,9.718182,79.218361,94.045967

2.7472279,-0.762114,9.544372,1.875375,9.756683,78.917961,94.565353

2.7496963,-0.829113,9.522836,1.908874,9.747596,78.706772,94.975952

2.7521634,-0.884148,9.515657,1.932802,9.750137,78.566330,95.308403

2.7546318,-0.922433,9.518050,1.956731,9.760787,78.435638,95.535484

2.7571011,-0.977468,9.518050,1.978266,9.770479,78.318344,95.863510

2.7595694,-0.987039,9.520443,2.002194,9.778643,78.185028,95.919037

2.7620368,-0.994218,9.520443,1.999802,9.778881,78.199646,95.961777

2.7645051,-0.994218,9.530014,2.054837,9.799591,77.896049,95.955833

2.7669744,-0.984646,9.537193,2.050051,9.804605,77.930939,95.894493

2.7694426,-0.977468,9.551550,2.040479,9.815860,78.002106,95.843086

2.7719100,-0.958325,9.553943,2.040479,9.816301,78.002655,95.727997

2.7743783,-0.927219,9.561121,2.050051,9.822294,77.952995,95.539108

2.7768476,-0.927219,9.553943,2.026123,9.810338,78.080963,95.543243

2.7793159,-0.915255,9.546764,2.021337,9.801234,78.098320,95.476250

2.7817831,-0.888934,9.534800,2.021337,9.787155,78.080948,95.326317

2.7842515,-0.855434,9.546764,2.026123,9.796818,78.064270,95.120293

2.7867208,-0.857827,9.568299,2.002194,9.813104,78.227119,95.123039

2.7891891,-0.812363,9.544372,2.014158,9.788350,78.125366,94.864967

2.7916567,-0.790828,9.541979,2.018944,9.785239,78.092896,94.737778

2.7941251,-0.757328,9.565907,2.004587,9.802983,78.200500,94.526642

2.7965941,-0.759721,9.541979,2.016551,9.782281,78.103569,94.552223

2.7990623,-0.738186,9.527621,2.009373,9.765145,78.125427,94.430344

2.8015299,-0.704686,9.544372,2.028515,9.782969,78.032799,94.222641

2.8039982,-0.692722,9.556335,2.028515,9.793788,78.046211,94.146019

2.8064673,-0.678365,9.568299,2.018944,9.802483,78.114151,94.055321

2.8089356,-0.671187,9.563514,2.040479,9.801778,77.984612,94.014549

2.8114030,-0.642473,9.599406,2.023730,9.831422,78.121147,93.829002

2.8138714,-0.656830,9.608977,2.021337,9.841223,78.147385,93.910416

2.8163404,-0.666401,9.640084,2.050051,9.878159,78.022141,93.954460

2.8188088,-0.673580,9.659226,2.062015,9.899812,77.977943,93.989021

2.8212764,-0.690329,9.692726,2.085943,9.938644,77.884560,94.073807

2.8237448,-0.702293,9.711869,2.095515,9.960161,77.854813,94.136024

2.8262138,-0.728615,9.745368,2.081157,9.991711,77.977936,94.275780

2.8286819,-0.762114,9.774082,2.097907,10.025702,77.921425,94.458496

2.8311496,-0.800399,9.786046,2.078765,10.036364,78.046181,94.675804

2.8336179,-0.817149,9.788439,2.088336,10.042032,77.997200,94.772049

2.8360870,-0.860220,9.776475,2.097907,10.035968,77.933968,95.028435

2.8385553,-0.855434,9.771689,2.085943,10.028401,77.994621,95.003036

2.8410227,-0.884148,9.757333,2.047658,10.009004,78.194992,95.177643

2.8434911,-0.881755,9.726226,2.069193,9.982911,78.037376,95.180130

2.8459601,-0.924826,9.714262,2.081157,9.977645,77.960732,95.438332

2.8484285,-0.958325,9.668798,2.085943,9.937566,77.883224,95.660400

2.8508961,-0.936790,9.652048,2.071586,9.916203,77.941566,95.543541

2.8533645,-0.958325,9.637691,2.069193,9.903790,77.940376,95.678551

2.8558335,-0.977468,9.611370,2.066801,9.879552,77.924538,95.806969

2.8583016,-0.999003,9.568299,2.064408,9.839316,77.888657,95.960518

2.8607693,-1.003789,9.546764,2.073979,9.820880,77.808456,96.002281

2.8632376,-0.984646,9.563514,2.066801,9.833717,77.867401,95.878380

2.8657067,-0.996611,9.568299,2.095515,9.845647,77.711357,95.946350

2.8681750,-1.008575,9.549157,2.100300,9.829287,77.662033,96.029182

2.8706424,-0.989432,9.558728,2.112264,9.839203,77.603340,95.909691

2.8731108,-0.989432,9.537193,2.129014,9.821900,77.481087,95.922935

2.8755798,-0.984646,9.525229,2.160121,9.816600,77.288162,95.901848

2.8780482,-0.939183,9.527621,2.164906,9.815521,77.258102,95.629730

2.8805158,-0.936790,9.510872,2.164906,9.799035,77.236305,95.625305

2.8829842,-0.908076,9.508479,2.169692,9.795068,77.202339,95.455299

2.8854532,-0.898505,9.506086,2.184049,9.795053,77.116188,95.399490

2.8879213,-0.893719,9.515657,2.162513,9.799129,77.250778,95.365532

2.8903890,-0.879362,9.532407,2.186442,9.819399,77.134361,95.270607

2.8928573,-0.850648,9.522836,2.191227,9.808643,77.091331,95.104523

2.8953264,-0.821935,9.513265,2.176870,9.793699,77.157455,94.938026

2.8977947,-0.754936,9.467801,2.129014,9.733544,77.365578,94.558960

2.9002621,-0.707079,9.427123,2.119443,9.688273,77.363571,94.289421

2.9027305,-0.664008,9.396016,2.066801,9.643531,77.624367,94.042320

2.9051995,-0.635294,9.350553,2.023730,9.588113,77.815140,93.886810

2.9076679,-0.599402,9.302696,1.997409,9.533576,77.906181,93.686653

2.9101355,-0.561117,9.264411,1.939981,9.481966,78.194099,93.465996

2.9126039,-0.527617,9.214162,1.892125,9.421215,78.414116,93.277267

2.9150729,-0.494118,9.183055,1.863411,9.383227,78.545509,93.079979

2.9175413,-0.467797,9.185448,1.849054,9.381380,78.632675,92.915443

2.9200087,-0.419940,9.180662,1.815554,9.367879,78.824997,92.618988

2.9224770,-0.376870,9.171091,1.815554,9.356665,78.811432,92.353142

2.9249461,-0.321835,9.206984,1.791626,9.385203,78.994743,92.001984

2.9274144,-0.297906,9.250054,1.748555,9.418582,79.300995,91.844627

2.9298818,-0.238086,9.254840,1.724627,9.417170,79.447495,91.473640

2.9323502,-0.190229,9.295518,1.683949,9.448731,79.733925,91.172371

2.9348192,-0.163908,9.324232,1.662413,9.472687,79.892509,91.007088

2.9372876,-0.096909,9.326625,1.633700,9.469124,80.065102,90.595314

2.9397552,-0.058624,9.381660,1.597807,9.516930,80.334778,90.358025

2.9422235,-0.032303,9.379267,1.614557,9.517273,80.232826,90.197334

2.9446926,0.029910,9.410374,1.614557,9.547922,80.264481,89.817886

2.9471607,0.080160,9.419945,1.602593,9.555632,80.345192,89.512451

2.9496284,0.132802,9.465408,1.612164,9.602639,80.334976,89.196182

2.9520967,0.171087,9.470194,1.616950,9.608766,80.312248,88.965019

2.9545658,0.199801,9.522836,1.597807,9.658018,80.477295,88.798042

2.9570341,0.240479,9.532407,1.566701,9.663290,80.669502,88.554878

2.9595015,0.235693,9.568299,1.509273,9.689469,81.038879,88.588936

2.9619699,0.271585,9.616156,1.473381,9.732166,81.292343,88.382248

2.9644389,0.297906,9.644870,1.413560,9.752457,81.665962,88.230835

2.9669073,0.285942,9.671191,1.396810,9.775724,81.785141,88.306465

2.9693749,0.338584,9.702297,1.399203,9.808516,81.798676,88.001343

2.9718432,0.352941,9.719048,1.413560,9.827645,81.730171,87.920250

2.9743123,0.427119,9.716655,1.413560,9.828223,81.730667,87.483047

2.9767807,0.491725,9.690333,1.401596,9.803511,81.780327,87.095085

2.9792480,0.580260,9.673584,1.368096,9.787064,81.964523,86.567291

2.9817164,0.632902,9.630513,1.305883,9.739234,82.294304,86.240021

2.9841855,0.719043,9.601799,1.234098,9.707449,82.696281,85.717323

2.9866538,0.790828,9.551550,1.164706,9.654743,83.071213,85.266945

2.9891212,0.876970,9.525229,1.045065,9.622433,83.764969,84.739716

2.9915895,0.910469,9.474979,0.934995,9.564435,84.389946,84.511192

2.9940586,0.975075,9.439087,0.810569,9.523873,85.117699,84.102158

2.9965270,1.039681,9.381660,0.767498,9.470244,85.351479,83.676247

2.9989946,1.099502,9.360124,0.681356,9.449078,85.864914,83.300362

3.0014629,1.156930,9.350553,0.592822,9.440485,86.399704,82.946724

3.0039320,1.233500,9.324232,0.492323,9.418344,87.003624,82.464111

3.0064001,1.310070,9.338589,0.420539,9.439405,87.446548,82.014336

3.0088677,1.360320,9.381660,0.315254,9.485009,88.095299,81.749741

3.0113361,1.405783,9.400802,0.245863,9.508509,88.518333,81.495087

3.0138052,1.463211,9.453444,0.207577,9.568265,88.756905,81.201538

3.0162735,1.508675,9.465408,0.178863,9.586555,88.930931,80.943901

3.0187409,1.530210,9.496515,0.198006,9.621047,88.820740,80.846390

3.0212092,1.568495,9.515657,0.217149,9.646505,88.710129,80.639923

3.0236783,1.573281,9.532407,0.202792,9.663494,88.797539,80.628075

3.0261467,1.580459,9.575478,0.142971,9.706083,89.155998,80.627670

3.0286143,1.630709,9.597013,0.044865,9.734674,89.735931,80.356499

3.0310826,1.661815,9.647263,-0.026919,9.789383,90.157555,80.226280

3.0335517,1.678565,9.697512,-0.129811,9.842569,90.755676,80.179840

3.0360200,1.716850,9.742975,-0.163310,9.894434,90.945724,80.006271

3.0384874,1.735993,9.740582,-0.158524,9.895340,90.917923,79.894691

3.0409558,1.755135,9.769297,-0.113061,9.926351,90.652611,79.814987

3.0434248,1.774278,9.759726,-0.036491,9.919760,90.210770,79.696388

3.0458932,1.776671,9.742975,0.037687,9.903714,89.781967,79.665436

3.0483606,1.781456,9.702297,0.056830,9.864654,89.669922,79.595703

3.0508289,1.769492,9.673584,0.059222,9.834269,89.654961,79.634056

3.0532980,1.807778,9.618548,0.028116,9.786998,89.835403,79.355606

3.0557663,1.819742,9.565907,0.028116,9.737495,89.834564,79.229202

3.0582340,1.798206,9.599406,0.080758,9.766712,89.526237,79.390045

3.0607023,1.769492,9.616156,0.171685,9.779112,88.994049,79.573502

3.0631714,1.688136,9.680762,0.425324,9.836049,87.521683,80.108200

3.0656395,1.609173,9.745368,0.777069,9.907849,85.501694,80.623817

3.0681071,1.542174,9.776475,1.109671,9.959374,83.602837,81.035835

3.0705755,1.467997,9.802796,1.332204,10.001230,82.345222,81.483086

3.0730445,1.460818,9.817153,1.372882,10.019745,82.124695,81.536339

3.0755129,1.487139,9.826724,1.281955,10.020953,82.650154,81.394371

3.0779803,1.530210,9.860224,1.100100,10.038714,83.708565,81.178627

3.0804486,1.599602,9.833903,0.958924,10.009192,84.502388,80.761070

3.0829177,1.671387,9.833903,0.789033,10.006086,85.477226,80.354088

3.0853860,1.771885,9.845867,0.690928,10.027864,86.049149,79.798119

3.0878537,1.893919,9.843474,0.604786,10.042245,86.547318,79.109177

3.0903220,2.068595,9.824331,0.556929,10.055185,86.824921,78.109581

3.0927913,2.252842,9.831510,0.552144,10.101423,86.866653,77.093765

3.0952597,2.470589,9.829117,0.544965,10.149499,86.922089,75.890755

3.0977268,2.712265,9.788439,0.544965,10.171868,86.928864,74.512558

3.1001952,2.970689,9.776475,0.556929,10.233017,86.880150,73.098022

3.1026645,3.238685,9.711869,0.566501,10.253312,86.832764,71.557640

3.1051328,3.492325,9.630513,0.552144,10.259044,86.914841,70.067772

3.1076000,3.722036,9.553943,0.468395,10.264051,87.384430,68.715050

3.1100683,3.884748,9.506086,0.372682,10.275983,87.921577,67.772179

3.1125376,4.040281,9.479765,0.267398,10.308312,88.513580,66.916275

3.1150060,4.076173,9.396016,0.073579,10.242350,89.588394,66.547867

3.1174734,4.042674,9.350553,-0.134596,10.187943,90.756973,66.618950

3.1199417,3.942175,9.329018,-0.321236,10.132843,91.816727,67.092476

3.1224110,3.710072,9.355338,-0.462413,10.074761,92.630692,68.368073

3.1248791,3.379862,9.410374,-0.507877,10.011820,92.907730,70.243568

3.1273465,3.044867,9.506086,-0.491127,9.993902,92.816803,72.239372

3.1298149,2.642873,9.594621,-0.476770,9.963374,92.742783,74.599594

3.1322842,2.226521,9.707084,-0.416949,9.967884,92.397339,77.081482

3.1347525,1.802992,9.829117,-0.373879,10.000105,92.142647,79.605576

3.1372197,1.400998,9.943973,-0.316451,10.047165,91.804916,81.980431

3.1396880,1.030110,10.056436,-0.256630,10.112313,91.454208,84.151421

3.1421573,0.692722,10.116256,-0.215952,10.142245,91.220055,86.082718

3.1446257,0.451047,10.171290,-0.177667,10.182837,90.999733,87.460876

3.1470931,0.252443,10.204790,-0.151346,10.209034,90.849426,88.582924

3.1495614,0.116052,10.171290,-0.127418,10.172750,90.717674,89.346298

3.1520307,0.020339,10.140184,-0.065204,10.140414,90.368423,89.885078

3.1544991,0.034696,10.056436,0.016152,10.056508,89.907982,89.802322

3.1569662,0.015553,9.939187,0.183649,9.940896,88.941452,89.910339

3.1594346,0.094516,9.824331,0.315254,9.829843,88.162140,89.448792

3.1619039,0.139980,9.742975,0.497109,9.756653,87.079475,89.176872

3.1643722,0.226122,9.683155,0.683749,9.709899,85.962021,88.662270

3.1668394,0.302692,9.649655,0.789033,9.686591,85.327728,88.203323

3.1693077,0.340977,9.628120,0.827318,9.669614,85.091850,87.971733

3.1717770,0.386441,9.616156,0.853639,9.661702,84.931145,87.698715

3.1742454,0.415155,9.642477,0.939781,9.697057,84.438507,87.534668

3.1767128,0.486939,9.632906,1.059422,9.703214,83.731804,87.106186

3.1791813,0.556331,9.597013,1.246062,9.693546,82.614449,86.682320

3.1816504,0.616152,9.565907,1.494916,9.701597,81.135994,86.314598

3.1841185,0.735793,9.537193,1.688735,9.713458,79.987961,85.588379

3.1865859,0.876970,9.501301,1.803590,9.710650,79.296120,84.726547

3.1890545,1.025324,9.510872,1.837090,9.740784,79.129044,83.846962

3.1915236,1.185644,9.482158,1.758126,9.716382,79.575218,82.872757

3.1939919,1.369891,9.484550,1.581058,9.712520,80.631386,81.781380

3.1964591,1.554138,9.527621,1.377668,9.751352,81.878098,80.735550

3.1989276,1.757528,9.544372,1.155135,9.773345,83.212204,79.566277

3.2013967,1.934597,9.589835,0.946960,9.828751,84.471214,78.594559

3.2038651,2.063810,9.630513,0.803390,9.881879,85.336746,77.904510

3.2063327,2.190629,9.714262,0.688535,9.981976,86.044724,77.292000

3.2088010,2.281556,9.788439,0.643071,10.071374,86.339096,76.879372

3.2112701,2.327020,9.817153,0.561715,10.104803,86.813347,76.664940

3.2137384,2.336591,9.876974,0.492323,10.161529,87.222946,76.690254

3.2162058,2.343770,9.898509,0.389432,10.179656,87.807564,76.678833

3.2186742,2.291128,9.903295,0.229113,10.167448,88.708794,76.973793

3.2211432,2.271985,9.874580,0.023330,10.132610,89.868080,77.042656

3.2236116,2.224129,9.860224,-0.187238,10.109690,91.061218,77.288765

3.2260790,2.188236,9.860224,-0.445663,10.109946,92.526512,77.487389

3.2285473,2.137987,9.865009,-0.684945,10.117240,93.881943,77.771721

3.2310164,2.085345,9.850653,-0.881157,10.107446,95.001335,78.047180

3.2334847,2.075774,9.874580,-1.012762,10.141098,95.731522,78.128487

3.2359524,2.030310,9.867402,-1.120439,10.136230,96.346336,78.373131

3.2384207,1.980061,9.857831,-1.165903,10.122095,96.614235,78.642601

3.2408898,1.994418,9.814760,-1.242473,10.092124,97.071808,78.513557

3.2433579,1.970490,9.809975,-1.354936,10.097241,97.711708,78.642372

3.2458255,1.946561,9.793225,-1.479363,10.093804,98.427711,78.758064

3.2482939,1.968097,9.781260,-1.599004,10.104617,99.105034,78.623367

3.2507629,2.006382,9.778868,-1.625325,10.114025,99.247536,78.405235

3.2532313,2.056631,9.745368,-1.658824,10.097209,99.455727,78.083336

3.2556987,2.097309,9.702297,-1.658824,10.064044,99.487175,77.802269

3.2581670,2.154737,9.685548,-1.663610,10.060831,99.517868,77.457703

3.2606361,2.166701,9.628120,-1.630110,10.002627,99.379227,77.317497

3.2631044,2.159523,9.592228,-1.548754,9.953543,98.951500,77.312393

3.2655721,2.118845,9.597013,-1.465006,9.936720,98.478226,77.549873

3.2680404,2.126023,9.587442,-1.357329,9.913695,97.869339,77.496933

3.2705095,2.068595,9.589835,-1.275973,9.893034,97.410477,77.827400

3.2729778,2.037488,9.575478,-1.168296,9.859313,96.805351,77.987648

3.2754452,2.008775,9.558728,-1.120439,9.831573,96.543839,78.131943

3.2779136,1.977668,9.558728,-1.012762,9.813569,95.923485,78.310631

3.2803826,1.932204,9.522836,-0.926621,9.760965,95.447365,78.530266

3.2828510,1.893919,9.498908,-0.811765,9.719832,94.790718,78.724075

3.2853184,1.858027,9.508479,-0.730409,9.715809,94.311417,78.943306

3.2877867,1.798206,9.479765,-0.675374,9.672416,94.003922,79.259239

3.2902558,1.685744,9.498908,-0.591625,9.665454,93.509285,79.936661

3.2927241,1.582852,9.503694,-0.536590,9.649536,93.187744,80.544113

3.2951918,1.515853,9.527621,-0.505484,9.660688,92.999298,80.959961

3.2976601,1.400998,9.573085,-0.445663,9.685317,92.637360,81.674004

3.3001292,1.314856,9.594621,-0.395414,9.692365,92.338112,82.196739

3.3025973,1.235893,9.640084,-0.330808,9.724612,91.949440,82.694328

3.3050649,1.147358,9.625728,-0.237488,9.696776,91.403397,83.202583

3.3075333,1.109073,9.620942,-0.148953,9.685802,90.881157,83.424141

3.3100023,1.032503,9.640084,-0.091525,9.695652,90.540871,83.886627

3.3124707,0.987039,9.608977,-0.065204,9.659759,90.386757,84.135117

3.3149381,0.932004,9.592228,-0.134596,9.638339,90.800140,84.450424

3.3174064,0.984646,9.508479,-0.189631,9.561206,91.136444,84.087830

3.3198755,0.991825,9.403194,-0.314058,9.460572,91.902367,83.978851

3.3223438,1.042074,9.295518,-0.376271,9.361312,92.303581,83.603561

3.3248115,1.109073,9.190233,-0.397807,9.265456,92.460716,83.118843

3.3272798,1.164108,9.142377,-0.361914,9.223295,92.248817,82.743523

3.3297489,1.219143,9.116056,-0.294915,9.201944,91.836601,82.382698

3.3322172,1.235893,9.118449,-0.225524,9.204586,91.403954,82.281303

3.3346846,1.211965,9.144770,-0.189631,9.226681,91.177650,82.450531

3.3371530,1.178465,9.211769,-0.208774,9.289190,91.287827,82.709732

3.3396220,1.200001,9.295518,-0.321236,9.378159,91.962975,82.644112

3.3420904,1.223929,9.458230,-0.517448,9.551119,93.105614,82.626694

3.3445578,1.250250,9.695119,-0.601197,9.793870,93.519318,82.651886

3.3470261,1.341177,10.001400,-0.507877,10.103698,92.881264,82.362259

3.3494952,1.515853,10.305289,-0.158524,10.417386,90.871918,81.632103

3.3519635,1.685744,10.659427,0.300897,10.796094,88.402908,81.013336

3.3544312,1.865205,10.977672,0.769891,11.161586,86.044777,80.357025

3.3568995,2.066202,11.238490,1.119243,11.481530,84.405807,79.582474

3.3593686,2.245664,11.468201,1.382453,11.767489,83.253265,78.920723

3.3618367,2.451447,11.604591,1.552344,11.961852,82.543434,78.071754

3.3643043,2.685943,11.614162,1.616950,12.029862,82.275421,76.978447

3.3667727,2.939583,11.494522,1.593022,11.970919,82.352722,75.654770

3.3692417,3.186043,11.267203,1.494916,11.804047,82.724274,74.210609

3.3717101,3.444468,11.011171,1.358525,11.617050,83.284332,72.629494

3.3741775,3.633501,10.714461,1.193420,11.376567,83.978500,71.267113

3.3766458,3.829713,10.427323,1.047458,11.157640,84.613251,69.832893

3.3791149,3.958925,10.111470,0.853639,10.892365,85.505096,68.618263

3.3815832,4.004389,9.872188,0.702892,10.676577,86.225204,67.921379

3.3840508,3.970889,9.644870,0.530608,10.443803,87.087776,67.622543

3.3865192,3.879962,9.491729,0.269791,10.257670,88.492867,67.766586

3.3889883,3.676572,9.355338,0.035294,10.051905,89.798820,68.545578

3.3914566,3.434897,9.293125,-0.208774,9.909807,91.207161,69.714828

3.3939240,3.164508,9.216555,-0.471984,9.756114,92.772957,71.050072

3.3963923,2.874976,9.216555,-0.723231,9.681602,94.284073,72.675415

3.3988614,2.556731,9.214162,-0.926621,9.607096,95.534882,74.491814

3.4013298,2.279164,9.276375,-1.118046,9.617471,96.675819,76.196114

3.4037971,1.984846,9.348160,-1.208974,9.632721,97.210037,78.012703

3.4062657,1.747957,9.451052,-1.302294,9.699160,97.716339,79.521637

3.4087346,1.525424,9.546764,-1.314258,9.756787,97.741386,80.921768

3.4112029,1.384248,9.611370,-1.283151,9.794950,97.527458,81.804504

3.4136705,1.278964,9.687941,-1.216152,9.847383,97.094139,82.479523

3.4161389,1.274178,9.754940,-1.122832,9.901673,96.511246,82.558228

3.4186080,1.286142,9.752547,-1.041476,9.891967,96.043587,82.487328

3.4210763,1.367498,9.776475,-0.924228,9.914823,95.348694,82.037338

3.4235437,1.484746,9.752547,-0.797408,9.897096,94.621323,81.343651

3.4260120,1.601995,9.697512,-0.653839,9.850666,93.805809,80.619659

3.4284811,1.666601,9.597013,-0.481556,9.752544,92.830269,80.148361

3.4309494,1.781456,9.522836,-0.330808,9.693680,91.955666,79.404030

3.4334168,1.874776,9.451052,-0.196810,9.637215,91.170166,78.780060

3.4358852,1.932204,9.343374,-0.055633,9.541235,90.334084,78.315971

3.4383543,1.994418,9.264411,0.054437,9.476812,89.670883,77.850937

3.4408226,2.020739,9.180662,0.090329,9.400857,89.449463,77.586670

3.4432902,2.063810,9.123235,0.083151,9.354124,89.490677,77.253387

3.4457586,2.013560,9.077771,0.042473,9.298503,89.738289,77.493584

3.4482276,1.965704,9.089735,-0.041276,9.299945,90.254295,77.797386

3.4506960,1.910669,9.106484,-0.120239,9.305545,90.740356,78.150421

3.4531634,1.800599,9.132806,-0.203988,9.310849,91.255371,78.846764

3.4556317,1.707279,9.185448,-0.266202,9.346557,91.632072,79.470711

3.4581008,1.621137,9.238090,-0.304487,9.384194,91.859390,80.046844

3.4605691,1.537389,9.297911,-0.369093,9.431380,92.242821,80.611221

3.4630365,1.472782,9.321838,-0.376271,9.444963,92.283173,81.021896

3.4655051,1.424926,9.369696,-0.390628,9.485473,92.360207,81.352821

3.4679739,1.393819,9.460623,-0.393021,9.570819,92.353485,81.618988

3.4704423,1.372284,9.518050,-0.359522,9.623185,92.141068,81.795799

3.4729099,1.439283,9.558728,-0.345165,9.672640,92.045013,81.437149

3.4753783,1.458425,9.597013,-0.323629,9.712590,91.909485,81.359070

3.4778473,1.484746,9.608977,-0.309272,9.727927,91.821869,81.216316

3.4803159,1.496711,9.683155,-0.259023,9.801567,91.514313,81.213409

3.4827831,1.441676,9.726226,-0.151346,9.833656,90.881851,81.568687

3.4852514,1.369891,9.733404,-0.017348,9.829347,90.101120,81.988747

3.4877205,1.259821,9.709476,0.095115,9.791329,89.443413,82.607079

3.4901891,1.104288,9.692726,0.190828,9.757295,88.879372,83.500343

3.4926562,0.929612,9.652048,0.233898,9.699533,88.618210,84.498672

3.4951246,0.719043,9.608977,0.269791,9.639619,88.396217,85.720512

3.4975936,0.515653,9.606585,0.308076,9.625345,88.165833,86.927483

3.5000622,0.295514,9.565907,0.293719,9.574976,88.242134,88.230560

3.5025296,0.089731,9.575478,0.291326,9.580328,88.257439,89.463104

3.5049980,-0.092124,9.599406,0.286541,9.604123,88.290321,90.549843

3.5074673,-0.288335,9.616156,0.260219,9.623996,88.450615,91.717468

3.5099356,-0.398405,9.620942,0.257827,9.632639,88.466240,92.371277

3.5124028,-0.489332,9.671191,0.358325,9.690190,87.880829,92.896515

3.5148711,-0.561117,9.733404,0.444467,9.759690,87.389786,93.299370

3.5173404,-0.613759,9.778868,0.600000,9.816463,86.495796,93.591393

3.5198088,-0.661615,9.853045,0.724427,9.901770,85.804413,93.841545

3.5222759,-0.695115,9.874580,0.789033,9.930413,85.442688,94.026657

3.5247445,-0.675972,9.898509,0.803390,9.954038,85.370621,93.906685

3.5272138,-0.685544,9.891331,0.829711,9.949715,85.216522,93.964691

3.5296819,-0.661615,9.881760,0.844068,9.939787,85.128685,93.830421

3.5321493,-0.671187,9.862617,0.834497,9.920588,85.174713,93.893181

3.5346177,-0.661615,9.848260,0.784248,9.901566,85.457161,93.843407

3.5370870,-0.635294,9.838689,0.736391,9.886642,85.728455,93.694519

3.5395553,-0.620937,9.843474,0.655035,9.884768,86.200386,93.609497

3.5420225,-0.589831,9.836296,0.609572,9.872801,86.460159,93.431618

3.5444908,-0.546760,9.817153,0.611964,9.851394,86.438515,93.187759

3.5469601,-0.541974,9.829117,0.611964,9.863051,86.442734,93.156075

3.5494285,-0.498904,9.853045,0.566501,9.881919,86.713600,92.898666

3.5518959,-0.453440,9.876974,0.535394,9.901862,86.900505,92.628532

3.5543640,-0.415155,9.943973,0.437288,9.962237,87.484215,92.390678

3.5568333,-0.331406,9.970294,0.348754,9.981894,87.997757,91.903770

3.5593016,-0.216550,10.015758,0.305683,10.022761,88.252274,91.238594

3.5617690,-0.087338,10.056436,0.288933,10.060965,88.354340,90.497589

3.5642374,0.037089,10.082756,0.255434,10.086060,88.548805,89.789246

3.5667067,0.199801,10.092328,0.188435,10.096065,88.930557,88.865845

3.5691750,0.357727,10.051650,0.087936,10.058398,89.499084,87.961769

3.5716422,0.558724,9.979865,-0.074776,9.995772,90.428619,86.795631

3.5741105,0.707079,9.932009,-0.290130,9.961372,91.669006,85.927872

3.5765798,0.860220,9.862617,-0.450449,9.910302,92.605141,85.015266

3.5790482,1.015753,9.857831,-0.577268,9.926824,93.333771,84.116989

3.5815153,1.176072,9.814760,-0.639482,9.905635,93.701439,83.167007

3.5839841,1.348356,9.764511,-0.646660,9.878356,93.753403,82.137901

3.5864532,1.491925,9.721440,-0.634696,9.855713,93.692337,81.275032

3.5889213,1.680958,9.654441,-0.586840,9.817242,93.426979,80.123108

3.5913889,1.843670,9.594621,-0.582054,9.787474,93.409348,79.122818

3.5938573,1.984846,9.534800,-0.605982,9.758034,93.560410,78.240753

3.5963264,2.188236,9.427123,-0.677767,9.701464,94.006081,76.931854

3.5987947,2.331806,9.369696,-0.713659,9.681829,94.227173,76.024887

3.6012621,2.484946,9.355338,-0.739980,9.707980,94.371552,75.124695

3.6037304,2.609373,9.374481,-0.708874,9.756651,94.166519,74.445534

3.6061995,2.762514,9.376874,-0.637089,9.796078,93.728867,73.584541

3.6086679,2.894119,9.424730,-0.531805,9.873412,93.087578,72.929474

3.6111355,3.018546,9.479765,-0.426521,9.957886,92.454872,72.337486

3.6136036,3.111866,9.544372,-0.361914,10.045383,92.064697,71.941856

3.6160727,3.209972,9.613763,-0.309272,10.140217,91.747765,71.536179

3.6185410,3.305685,9.678370,-0.273380,10.230989,91.531174,71.142197

3.6210086,3.377469,9.709476,-0.247059,10.283106,91.376701,70.819626

3.6234770,3.473182,9.742975,-0.232702,10.346145,91.288788,70.379837

3.6259460,3.578466,9.750154,-0.208774,10.388191,91.151566,69.846039

3.6284144,3.662215,9.766904,-0.148953,10.431990,90.818123,69.445877

3.6308818,3.729214,9.771689,-0.062812,10.459297,90.344086,69.111420

3.6333501,3.781856,9.776475,0.040080,10.482533,89.780930,68.851921

3.6358192,3.808177,9.788439,0.198006,10.504997,88.919983,68.741554

3.6382875,3.805784,9.783653,0.358325,10.503917,88.045059,68.744255

3.6407549,3.741178,9.778868,0.468395,10.480556,87.438492,69.064255

3.6432235,3.664608,9.802796,0.590429,10.482021,86.770950,69.502602

3.6456926,3.547359,9.790833,0.666999,10.434992,86.335182,70.083817

3.6481607,3.427718,9.731011,0.762712,10.345220,85.771973,70.595345

3.6506283,3.236293,9.697512,0.784248,10.253310,85.613319,71.544907

3.6530967,3.049653,9.683155,0.815354,10.184728,85.408180,72.518486

3.6555657,2.819942,9.649655,0.798605,10.084924,85.458107,73.709930

3.6580341,2.595016,9.640084,0.767498,10.012711,85.603828,74.933678

3.6605015,2.405983,9.632906,0.693320,9.953006,86.005577,75.976318

3.6629698,2.152344,9.616156,0.604786,9.872629,86.487930,77.383667

3.6654389,1.941776,9.597013,0.509073,9.804708,87.023788,78.561691

3.6679072,1.735993,9.575478,0.425324,9.740860,87.497444,79.724136

3.6703749,1.520639,9.585050,0.341575,9.710932,87.984245,80.985329

3.6728430,1.305285,9.551550,0.329611,9.645959,88.041771,82.218338

3.6753120,1.121037,9.573085,0.336790,9.644382,87.998779,83.320908

3.6777804,0.912862,9.573085,0.281755,9.620637,88.321770,84.552910

3.6802480,0.716650,9.606585,0.231506,9.636060,88.623344,85.733643

3.6827164,0.534796,9.635299,0.157328,9.651411,89.065979,86.823128

3.6851854,0.386441,9.704690,0.064008,9.712592,89.622406,87.719688

3.6876538,0.285942,9.776475,0.020937,9.780678,89.877350,88.324692

3.6901212,0.180658,9.829117,0.059222,9.830956,89.654846,88.947029

3.6925895,0.068195,9.903295,0.090329,9.903941,89.477425,89.605461

3.6950586,-0.013161,10.020543,0.169292,10.021982,89.032112,90.075249

3.6975269,-0.101695,10.125827,0.231506,10.128983,88.690346,90.575409

3.6999943,-0.149551,10.223933,0.332004,10.230415,88.140274,90.838036

3.7024629,-0.197408,10.293324,0.336790,10.300725,88.126335,91.098694

3.7049320,-0.211765,10.386645,0.308076,10.393371,88.301414,91.167992

3.7074001,-0.190229,10.482358,0.288933,10.488065,88.421371,91.039665

3.7098677,-0.159123,10.582856,0.262612,10.587310,88.578667,90.861427

3.7123361,-0.041874,10.657034,0.291326,10.661098,88.434135,90.225128

3.7148051,0.104088,10.680962,0.355932,10.687397,88.091469,89.441658

3.7172735,0.326620,10.719247,0.410967,10.732093,87.805420,88.254715

3.7197409,0.573081,10.745568,0.516252,10.773216,87.253342,86.947205

3.7222092,0.900898,10.776675,0.609572,10.831431,86.773804,85.221359

3.7246783,1.247857,10.779068,0.628714,10.869256,86.683968,83.396454

3.7271466,1.635494,10.724033,0.645464,10.867215,86.594887,81.328789

3.7296143,2.066202,10.666605,0.516252,10.877140,87.279602,79.037148

3.7320824,2.492125,10.573285,0.327219,10.867940,88.274643,76.737442

3.7345514,2.922833,10.511071,0.174078,10.911273,89.085869,74.460251

3.7370198,3.308077,10.479965,0.095115,10.990091,89.504120,72.481316

3.7394874,3.609573,10.491929,0.104686,11.095970,89.459427,71.015076

3.7419558,3.882355,10.448858,0.212363,11.148830,88.908562,69.617058

3.7444248,4.133601,10.393824,0.305683,11.189802,88.434601,68.312393

3.7468932,4.327420,10.319646,0.410967,11.197792,87.896729,67.249840

3.7493606,4.449454,10.281361,0.487538,11.213461,87.508118,66.598534

3.7518289,4.497310,10.288539,0.554537,11.242212,87.172661,66.388977

3.7542980,4.523631,10.298110,0.592822,11.263470,86.983002,66.285645

3.7567663,4.535595,10.350753,0.611964,11.317430,86.900345,66.337448

3.7592337,4.540381,10.300504,0.681356,11.277397,86.536201,66.212494

3.7617023,4.494917,10.288539,0.781855,11.254760,86.016525,66.400162

3.7641714,4.413561,10.324431,0.832104,11.259032,85.761665,66.853912

3.7666395,4.269992,10.302896,0.867996,11.186417,85.549728,67.488647

3.7691071,4.078566,10.343575,0.894317,11.154552,85.401367,68.480225

3.7715755,3.839284,10.374681,0.923031,11.100725,85.230316,69.692360

3.7740445,3.576073,10.408180,1.013959,11.051996,84.736031,71.038155

3.7765129,3.296113,10.405787,1.133600,10.974052,84.070877,72.424004

3.7789803,2.932404,10.401002,1.155135,10.868034,83.898659,74.255013

3.7814486,2.539981,10.396216,1.169492,10.765711,83.763580,76.270576

3.7839177,2.183451,10.444073,1.143171,10.730934,83.884651,78.191750

3.7863860,1.819742,10.453644,1.147957,10.672766,83.825356,80.125061

3.7888536,1.465604,10.477572,1.121636,10.638871,83.948174,82.037125

3.7913218,1.183251,10.456037,1.102493,10.580372,84.018822,83.543625

3.7937908,0.874577,10.432109,1.021137,10.518389,84.428886,85.207809

3.7962592,0.580260,10.389038,0.954138,10.448885,84.760750,86.803177

3.7987268,0.314656,10.348360,0.875175,10.390067,85.168144,88.258377

3.8011951,0.039482,10.348360,0.760319,10.376328,85.797920,89.781403

3.8036642,-0.178265,10.319646,0.674178,10.343181,86.262756,90.989647

3.8061326,-0.314656,10.300504,0.659821,10.326410,86.336510,91.749710

3.8085999,-0.386441,10.293324,0.726820,10.326187,85.963837,92.150040

3.8110683,-0.422333,10.247861,0.848854,10.291626,85.268867,92.359932

3.8135374,-0.376870,10.245468,0.920639,10.293650,84.868752,92.106621

3.8160057,-0.321835,10.267004,0.944567,10.315384,84.746140,91.795433

3.8184733,-0.183051,10.245468,0.875175,10.284409,85.118385,91.023567

3.8209417,-0.010768,10.247861,0.695713,10.271455,86.116226,90.060204

3.8234107,0.202194,10.302896,0.332004,10.310227,88.154678,88.875717

3.8258789,0.403191,10.415359,-0.113061,10.423772,90.621468,87.783119

3.8283465,0.541974,10.582856,-0.617946,10.614727,93.337418,87.068306

3.8308148,0.678365,10.850852,-1.043869,10.922034,95.484390,86.422684

3.8332839,0.781257,11.123634,-1.316651,11.228498,96.733978,85.982491

3.8357522,0.881755,11.415559,-1.354936,11.529455,96.748970,85.583160

3.8382196,0.934397,11.714662,-1.180260,11.810987,95.735085,85.439568

3.8406880,0.924826,12.035299,-0.739980,12.093441,93.508041,85.605865

3.8431571,0.910469,12.396616,-0.184846,12.431379,90.851974,85.799454

3.8456254,0.900898,12.753146,0.346361,12.789618,88.448158,85.959267

3.8480930,0.965504,13.061821,0.731606,13.117874,86.802864,85.772499

3.8505614,1.046860,13.301103,0.915853,13.373632,86.073196,85.499825

3.8530304,1.195215,13.401602,0.836890,13.480796,86.440781,84.903587

3.8554986,1.298106,13.461422,0.600000,13.537169,87.459679,84.491905

3.8579662,1.412962,13.432708,0.315254,13.510495,88.662933,83.995247

3.8604345,1.424926,13.375280,0.064008,13.451120,89.727356,83.918968

3.8629036,1.403391,13.336995,-0.072383,13.410823,90.309250,83.993134

3.8653719,1.307678,13.286746,-0.034098,13.350985,90.146332,84.379066

3.8678393,1.094716,13.140783,0.087936,13.186597,89.617912,85.237869

3.8703077,0.848256,12.990036,0.317647,13.021578,88.602196,86.263863

3.8727767,0.587438,12.798610,0.705284,12.831481,86.849136,87.372047

3.8752451,0.336192,12.566506,1.152742,12.623744,84.760712,88.467529

3.8777127,0.029910,12.360723,1.664806,12.472368,82.329292,89.861359

3.8801811,-0.271585,12.109477,2.181656,12.307429,79.789604,91.284782

3.8826504,-0.611366,11.834303,2.760719,12.167418,76.885696,92.957298

3.8851187,-0.948754,11.609377,3.263212,12.096541,74.349777,94.672005

3.8875859,-1.250250,11.350952,3.622135,11.980280,72.401711,96.285500

3.8900542,-1.508675,11.140384,3.820740,11.873597,71.229118,97.712303

3.8925235,-1.707279,10.920244,3.914060,11.725460,70.499893,98.885735

3.8949919,-1.764707,10.735997,3.811168,11.528262,70.695198,99.334404

3.8974590,-1.860420,10.618749,3.646064,11.380367,71.313980,99.937439

3.8999274,-1.860420,10.544571,3.473780,11.256832,72.025536,100.005943

3.9023967,-1.886741,10.563714,3.323032,11.233627,72.793816,100.126579

3.9048650,-1.862812,10.666605,3.291926,11.317389,73.089760,99.906212

3.9073324,-1.862812,10.807781,3.363710,11.471389,72.948807,99.779327

3.9098008,-1.865205,11.039886,3.509673,11.733537,72.595566,99.589645

3.9122701,-1.841277,11.279168,3.686742,12.008413,72.120674,99.271515

3.9147382,-1.802992,11.549557,3.933202,12.333414,71.403206,98.872780

3.9172056,-1.762314,11.810374,4.194020,12.656242,70.647469,98.486908

3.9196739,-1.700101,12.016157,4.371089,12.899022,70.191971,98.053017

3.9221432,-1.642673,12.166905,4.485944,13.071177,69.928436,97.689095

3.9246116,-1.566102,12.276975,4.514658,13.174176,69.959152,97.269630

3.9270787,-1.460818,12.288939,4.466802,13.156911,70.153442,96.779091

3.9295471,-1.420140,12.248260,4.359125,13.078175,70.530022,96.613701

3.9320164,-1.374677,12.152548,4.182056,12.925314,71.121918,96.453773

3.9344847,-1.305285,12.018550,3.995416,12.732347,71.711586,96.198364

3.9369521,-1.336391,11.865409,3.660420,12.488897,72.956726,96.426094

3.9394205,-1.331606,11.724233,3.284747,12.248281,74.443985,96.479729

3.9418898,-1.355534,11.626127,2.880360,12.054078,76.175232,96.650307

3.9443581,-1.389034,11.489737,2.617150,11.865620,77.257736,96.893234

3.9468253,-1.420140,11.298310,2.349154,11.627000,78.343552,97.164215

3.9492936,-1.341177,11.169098,2.081157,11.440224,79.518631,96.847252

3.9517629,-1.156930,11.020742,1.834697,11.232158,80.598999,95.992813

3.9542313,-0.994218,10.901102,1.619343,11.065476,81.585007,95.211151

3.9566984,-0.764507,10.781461,1.325026,10.889447,83.010941,94.056023

3.9591668,-0.410369,10.685748,1.088136,10.748844,84.189835,92.199272

3.9616361,-0.082552,10.601999,0.796212,10.632175,85.705269,90.446121

3.9641044,0.374477,10.460822,0.480359,10.478539,87.372513,87.949799

3.9665718,0.869791,10.322039,0.198006,10.360513,88.904922,85.183327

3.9690402,1.465604,10.152148,-0.117847,10.258070,90.658241,81.785309

3.9715095,2.269592,9.946365,-0.314058,10.206854,91.763229,77.146149

3.9739776,3.004189,9.795618,-0.503091,10.258284,92.811050,72.949905

3.9764450,3.693322,9.577870,-0.471984,10.276137,92.632530,68.912865

3.9789133,4.487739,9.369696,-0.309272,10.393587,91.705147,64.407295

3.9813826,5.100301,9.214162,-0.093918,10.531983,90.510941,61.034222

3.9838510,5.638687,9.022736,0.047258,10.639868,89.745514,57.997005

3.9863181,6.227321,8.893523,0.049651,10.857106,89.737976,54.999962

3.9887865,6.634101,8.845667,-0.012562,11.057001,90.065094,53.130722

3.9912558,6.947560,8.809774,0.028116,11.219693,89.856422,51.739998

3.9937241,7.251449,8.747561,0.054437,11.362495,89.725502,50.342354

3.9961917,7.624729,8.702098,0.071186,11.570137,89.647476,48.775337

3.9986601,7.990831,8.659027,0.229113,11.784932,88.886032,47.298172

4.0011292,8.203793,8.747561,0.382253,11.998673,88.174362,46.837315

4.0035973,8.263613,8.869596,0.535394,12.134400,87.471176,47.025646

4.0060649,8.359326,8.924630,0.640678,12.244910,87.000801,46.873299

4.0085330,8.450253,9.058628,0.614357,12.403345,87.160889,46.990032

4.0110021,8.493324,9.137591,0.451645,12.483434,87.926613,47.092766

4.0134706,8.672786,9.195019,0.276969,12.642876,88.744713,46.674141

4.0159378,8.804391,9.250054,0.049651,12.770407,89.777237,46.414024

4.0184064,8.991031,9.290732,-0.163310,12.929927,90.723686,45.939194

4.0208755,9.249456,9.235697,-0.500698,13.080567,92.193703,44.957352

4.0233436,9.428918,9.195019,-0.656232,13.186489,92.852531,44.280457

4.0258112,9.546165,9.106484,-0.751945,13.214490,93.262062,43.649670

4.0282798,9.747163,8.936594,-0.830908,13.249917,93.595398,42.515862

4.0307488,9.921839,8.833703,-0.823729,13.309986,93.548195,41.679607

4.0332170,9.924232,8.608778,-0.897907,13.168435,93.909821,40.940014

4.0356846,10.197014,8.161320,-1.034298,13.101756,94.527840,38.672512

4.0381527,10.441082,7.701898,-0.960120,13.009891,94.232231,36.414463

4.0406218,10.577473,7.287940,-0.924228,12.878323,94.115433,34.567066

4.0430903,10.711471,6.747162,-1.122832,12.709074,95.068626,32.206852

4.0455575,10.728220,6.278168,-1.146760,12.482995,95.270950,30.336226

4.0480261,10.620543,5.823532,-1.108475,12.162984,95.228912,28.737154

4.0504951,10.479366,5.392824,-1.173081,11.843808,95.684235,27.230965

4.0529633,10.335797,5.103292,-1.302294,11.600356,96.445801,26.277824

4.0554309,10.122836,4.897510,-1.412364,11.333674,97.158615,25.818071

4.0578995,9.933804,4.751547,-1.445863,11.106222,97.480278,25.562771

4.0603685,9.730413,4.631907,-1.371686,10.863564,97.253799,25.455551

4.0628366,9.349955,4.686941,-1.342972,10.544792,97.316994,26.623671

4.0653043,9.038888,4.651049,-1.603789,10.291059,98.965691,27.228533

4.0677724,8.644072,4.643870,-1.869393,9.989000,100.786224,28.246105

4.0702415,8.266006,4.756333,-1.991427,9.742450,101.794800,29.916508

4.0727100,8.014759,4.895117,-2.072783,9.617430,102.446243,31.415035

4.0751772,7.758728,5.076972,-2.127818,9.513206,102.924675,33.198978

4.0776458,7.536195,5.210969,-2.132603,9.407254,103.102730,34.662266

4.0801148,7.332805,5.344967,-2.158924,9.327361,103.383125,36.088745

4.0825830,7.093523,5.512465,-2.206781,9.250687,103.801163,37.851227

4.0850506,6.851848,5.665606,-2.276173,9.177574,104.360062,39.586418

4.0875192,6.602994,5.842675,-2.347957,9.124104,104.912025,41.504086

4.0899882,6.409175,6.007780,-2.426920,9.113774,105.443703,43.148476

4.0924563,6.215357,6.220741,-2.458027,9.130727,105.616898,45.024807

4.0949240,6.035895,6.431309,-2.493919,9.165883,105.788506,46.816601

4.0973921,5.822934,6.594021,-2.477170,9.139149,105.726784,48.553478

4.0998616,5.633901,6.773483,-2.481955,9.153197,105.733139,50.247723

4.1023297,5.473582,6.926623,-2.515455,9.179636,105.903954,51.683372

4.1047969,5.301299,7.089335,-2.486741,9.194907,105.690903,53.211411

4.1072655,5.212764,7.216155,-2.489134,9.243462,105.621780,54.156624

4.1097345,5.109873,7.319046,-2.414956,9.247230,105.138580,55.078758

4.1122031,5.035695,7.441080,-2.335993,9.283575,104.573776,55.912117

4.1146703,4.995017,7.510472,-2.249851,9.296194,104.005707,56.373169

4.1171389,4.949553,7.577471,-2.156531,9.304127,103.402023,56.847702

4.1196079,4.908875,7.634899,-2.036890,9.302562,102.647964,57.260918

4.1220765,4.971089,7.618149,-1.993819,9.312531,102.362770,56.874252

4.1245437,5.018946,7.577471,-1.981855,9.302453,102.300949,56.481461

4.1270118,5.121837,7.491330,-2.022533,9.297520,102.564278,55.639507

4.1294813,5.310870,7.307082,-2.036890,9.260006,102.707062,53.989922

4.1319494,5.516653,7.122835,-2.070390,9.244173,102.942139,52.242130

4.1344166,5.724828,6.914659,-2.106282,9.220770,103.204544,50.377750

4.1368852,5.992824,6.682556,-2.182853,9.237713,103.668144,48.114681

4.1393542,6.145965,6.488737,-2.247459,9.215620,104.115356,46.554020

4.1418228,6.528817,6.199205,-2.266601,9.284022,104.131020,43.516571

4.1442900,6.930811,6.005387,-2.264208,9.446029,103.868805,40.908169

4.1467586,7.215557,5.818747,-2.335993,9.559233,104.144630,38.883289

4.1492276,7.624729,5.663213,-2.307279,9.774048,103.654221,36.602856

4.1516962,7.974082,5.646463,-2.221138,10.020079,102.807060,35.302387

4.1541634,8.088937,5.596214,-2.099104,10.057571,102.046700,34.676861

4.1566315,8.313862,5.605785,-2.072783,10.239217,101.679428,33.990597

4.1591010,8.459825,5.646463,-2.065604,10.378724,101.479828,33.720913

4.1615691,8.502895,5.732605,-2.056033,10.458932,101.337128,33.987629

4.1640363,8.392825,5.835496,-2.056033,10.426879,101.372444,34.810730

4.1665049,8.285149,5.931209,-2.046462,10.392831,101.356377,35.598286

4.1689739,8.246863,6.048458,-2.005784,10.421985,101.096207,36.257259

4.1714425,8.110473,6.160920,-1.984248,10.376606,101.024178,37.221222

4.1739097,8.024331,6.345168,-1.950749,10.414244,100.796158,38.334869

4.1763783,7.969296,6.531807,-1.929213,10.483131,100.604599,39.338787

4.1788473,7.916654,6.692127,-1.878964,10.535107,100.273819,40.208595

4.1813159,7.887940,6.854839,-1.730609,10.592611,99.403076,40.991547

4.1837831,7.811369,7.012765,-1.601397,10.618891,98.673660,41.916348

4.1862512,7.698907,7.149156,-1.462613,10.607677,97.925331,42.879585

4.1887207,7.564909,7.287940,-1.297508,10.584207,97.041550,43.931698

4.1911888,7.390233,7.369296,-1.197010,10.504993,96.542877,44.918724

4.1936564,7.258627,7.450652,-1.063011,10.456093,95.835014,45.747932

4.1961246,7.112665,7.486544,-0.917049,10.367224,95.074821,46.466995

4.1985936,6.978667,7.498508,-0.768694,10.272308,94.291550,47.056469

4.2010622,6.894918,7.505686,-0.570090,10.207851,93.201530,47.428608

4.2035298,6.849455,7.484151,-0.388235,10.152747,92.191490,47.535419

4.2059979,6.820741,7.448259,-0.263809,10.102903,91.496284,47.518116

4.2084670,6.820741,7.359724,-0.170489,10.035791,90.973389,47.176701

4.2109356,6.847062,7.242476,-0.122632,9.967484,90.704941,46.607548

4.2134027,6.815955,7.094121,-0.091525,9.838302,90.533028,46.145615

4.2158713,6.892526,6.969694,-0.031705,9.802273,90.185318,45.318954

4.2183404,6.978667,6.823732,0.061615,9.760579,89.638306,44.356869

4.2208085,7.076773,6.713662,0.217149,9.757107,88.724754,43.491714

4.2232761,7.217949,6.567700,0.375075,9.765969,87.798935,42.299442

4.2257447,7.330412,6.457630,0.535394,9.783792,86.863060,41.378014

4.2282138,7.385447,6.364310,0.686142,9.773437,85.974251,40.752682

4.2306819,7.435697,6.249454,0.760319,9.742862,85.524170,40.045929

4.2331495,7.505088,6.184848,0.812962,9.759078,85.221542,39.491501

4.2356176,7.569695,6.129813,0.877568,9.779827,84.851784,38.999981

4.2380867,7.584051,6.110671,0.865604,9.777904,84.921158,38.859314

4.2405553,7.562516,6.091528,0.834497,9.746525,85.088326,38.851086

4.2430224,7.543374,6.086742,0.786640,9.724696,85.360214,38.900032

4.2454910,7.493124,6.117849,0.743570,9.701953,85.604469,39.230324

4.2479601,7.483553,6.115457,0.645464,9.686021,86.179054,39.255222

4.2504282,7.409375,6.192027,0.604786,9.675010,86.416100,39.885559

4.2528958,7.361519,6.259026,0.540180,9.677767,86.800285,40.372375

4.2553639,7.328019,6.328418,0.511466,9.695892,86.976196,40.813622

4.2578330,7.234699,6.395417,0.449252,9.666647,87.336250,41.476429

4.2603016,7.134201,6.479166,0.379861,9.644724,87.742805,42.245220

4.2627692,7.000203,6.553343,0.334397,9.594841,88.002739,43.111645

4.2652373,6.921239,6.668199,0.324826,9.616337,88.064262,43.933250

4.2677064,6.832705,6.780661,0.355932,9.632751,87.882423,44.780960

4.2701750,6.727421,6.893124,0.360718,9.638644,87.855255,45.697006

4.2726421,6.626922,7.048657,0.391825,9.682624,87.680794,46.766357

4.2751107,6.614958,7.168298,0.375075,9.761293,87.797882,47.298950

4.2775798,6.552745,7.314260,0.324826,9.825599,88.105507,48.143276

4.2800479,6.483353,7.436295,0.324826,9.871061,88.114235,48.916367

4.2825155,6.413961,7.551150,0.279362,9.911448,88.384857,49.655365

4.2849841,6.325427,7.673184,0.262612,9.947750,88.487267,50.499371

4.2874532,6.236892,7.766504,0.241077,9.963711,88.613564,51.233788

4.2899213,6.117251,7.859824,0.229113,9.962434,88.682213,52.106606

4.2923889,5.973682,7.929216,0.186042,9.929348,88.926407,53.006504

4.2948570,5.899504,7.984251,0.186042,9.929100,88.926384,53.539577

4.2973261,5.813363,8.024929,0.221934,9.911807,88.716988,54.079941

4.2997942,5.684150,8.039286,0.260219,9.849233,88.486053,54.737907

4.3022623,5.607580,8.077571,0.286541,9.837389,88.330872,55.230995

4.3047304,5.497510,8.087142,0.293719,9.783187,88.279556,55.792763

4.3071995,5.425725,8.120642,0.332004,9.772080,88.053017,56.251530

4.3096676,5.327620,8.134998,0.363111,9.731063,87.861534,56.779167

4.3121352,5.253442,8.161320,0.358325,9.712579,87.885712,57.230614

4.3146033,5.169693,8.185248,0.355932,9.687657,87.894432,57.724041

4.3170729,5.102695,8.223534,0.346361,9.684212,87.950348,58.180439

4.3195410,5.064409,8.278568,0.351147,9.711140,87.927780,58.543816

4.3220086,5.073980,8.321639,0.351147,9.752859,87.936646,58.627949

4.3244767,5.047659,8.367103,0.296112,9.776244,88.264305,58.898491

4.3269458,5.057230,8.369495,0.298505,9.783309,88.251541,58.857716

4.3294139,5.035695,8.367103,0.303290,9.770292,88.221130,58.958599

4.3318820,4.990232,8.338388,0.241077,9.720558,88.578880,59.100967

4.3343501,4.920840,8.352746,0.188435,9.696316,88.886467,59.496452

4.3368192,4.858626,8.371888,0.099900,9.680121,89.408691,59.871258

4.3392873,4.727021,8.400602,0.035294,9.639299,89.790215,60.633530

4.3417549,4.480560,8.560922,-0.029312,9.662591,90.173813,62.373627

4.3442230,4.112066,8.848060,-0.026919,9.756945,90.158081,65.073723

4.3466926,3.702893,9.053843,0.186042,9.783563,88.910408,67.756134

4.3491607,3.372684,9.163913,0.499502,9.777617,87.071701,69.794380

4.3516283,3.169294,9.163913,0.683749,9.720557,85.966454,70.922310

4.3540964,2.932404,9.039486,0.710070,9.529716,85.726868,72.026970

4.3565655,2.717050,8.862417,0.743570,9.299338,85.413765,72.955444

4.3590336,2.563910,8.632706,0.805783,9.041378,84.886917,73.458603

4.3615017,2.348555,8.398210,0.834497,8.760252,84.533745,74.376373

4.3639698,2.142773,8.211569,0.860818,8.530085,84.208107,75.375046

4.3664389,1.951347,8.044071,0.793819,8.315347,84.521957,76.364471

4.3689070,1.676172,7.962716,0.719641,8.168983,84.946014,78.112640

4.3713746,1.367498,7.962716,0.621536,8.103160,85.600929,80.255219

4.3738427,1.013360,8.005786,0.513859,8.086010,86.356453,82.785950

4.3763123,0.673580,8.087142,0.463609,8.128377,86.730309,85.238815

4.3787804,0.321835,8.192427,0.403789,8.208683,87.180458,87.750328

4.3812480,-0.032303,8.357532,0.432503,8.368777,87.037605,90.221458

4.3837161,-0.427119,8.501101,0.525823,8.528049,86.465012,92.876282

4.3861852,-0.876970,8.670991,0.681356,8.741819,85.529709,95.775162

4.3886533,-1.207179,8.907881,0.865604,9.030886,84.499802,97.717598

4.3911214,-1.465604,9.061021,0.913460,9.224126,84.316719,99.187912

4.3935895,-1.659423,9.242876,0.963709,9.439978,84.140572,100.178185

4.3960586,-1.824527,9.393623,0.961317,9.617338,84.263329,100.991722

4.3985267,-1.936990,9.508479,0.946960,9.749864,84.426338,101.514282

4.4009943,-2.068595,9.551550,0.946960,9.818754,84.465569,102.219925

4.4034624,-2.097309,9.558728,1.018744,9.838996,84.056862,102.375336

4.4059319,-2.102095,9.491729,1.085743,9.782155,83.627480,102.487511

4.4084001,-2.047060,9.448658,1.284348,9.752802,82.432732,102.224258

4.4108677,-1.917847,9.400802,1.466202,9.705821,81.311394,101.530624

4.4133358,-1.762314,9.295518,1.660021,9.605627,80.048325,100.735153

4.4158049,-1.599602,9.192626,1.829911,9.508505,78.904205,99.871155

4.4182730,-1.405783,9.111270,2.014158,9.436541,77.675835,98.771034

4.4207411,-1.231107,9.051450,2.191227,9.393926,76.510918,97.745392

4.4232092,-1.092324,9.070593,2.310869,9.423849,75.805466,96.866760

4.4256783,-0.905683,9.013165,2.373082,9.364236,75.320038,95.738075

4.4281464,-0.726222,8.967701,2.318047,9.290877,75.552246,94.629822

4.4306140,-0.544367,8.934201,2.274976,9.235356,75.739357,93.486763

4.4330821,-0.391227,8.888738,2.138585,9.150752,76.484642,92.520172

4.4355516,-0.238086,8.874381,2.002194,9.100555,77.290497,91.536789

4.4380198,-0.168694,8.876774,1.872982,9.073789,78.087555,91.088715

4.4404874,-0.101695,8.879167,1.815554,9.063453,78.444565,90.656189

4.4429555,-0.065803,8.850452,1.760519,9.024094,78.749962,90.425980

4.4454246,-0.041874,8.812167,1.808376,8.995903,78.403259,90.272263

4.4478927,-0.051446,8.747561,1.887339,8.948996,77.824928,90.336960

4.4503608,-0.094516,8.694920,1.894517,8.899425,77.708771,90.622795

4.4528289,-0.204586,8.587242,1.896910,8.796638,77.546906,91.364784

4.4552979,-0.348156,8.541779,2.002194,8.780204,76.818581,92.334038

4.4577661,-0.551546,8.493922,2.038087,8.752412,76.534492,93.715240

4.4602337,-0.795614,8.395817,2.100300,8.691031,76.015289,95.413361

4.4627018,-1.099502,8.302496,2.112264,8.637246,75.844582,97.543800

4.4651713,-1.463211,8.276175,2.121835,8.668232,75.830994,100.026169

4.4676394,-1.812563,8.192427,2.035694,8.633962,76.362541,102.475639

4.4701071,-2.216950,8.154141,2.033301,8.691329,76.470505,105.209938

4.4725752,-2.602195,8.123034,1.959123,8.751758,77.064453,107.762733

4.4750447,-2.982653,8.096714,1.930410,8.841916,77.389343,110.222702

4.4775124,-3.494717,8.151749,1.837090,9.057536,78.297829,113.205185

4.4799805,-3.968496,8.228319,1.784447,9.307978,78.947311,115.747887

4.4824486,-4.470989,8.347960,1.796412,9.638739,79.258743,118.172554

4.4849176,-4.944768,8.515457,1.750948,10.001477,79.917328,120.142944

4.4873857,-5.406583,8.699705,1.724627,10.387028,80.442543,121.859604

4.4898534,-5.844469,8.910274,1.791626,10.805588,80.455971,123.261864

4.4923215,-6.258428,9.135199,1.928017,11.239974,80.123085,124.414627

4.4947910,-6.607780,9.350553,2.160121,11.651683,79.316055,125.247803

4.4972596,-6.744171,9.515657,2.411367,11.909924,78.318741,125.326904

4.4997268,-6.801599,9.649655,2.732005,12.117815,76.970444,125.178246

4.5021949,-6.777670,9.742975,3.062215,12.257224,75.532585,124.824280

4.5046644,-6.674779,9.776475,3.363710,12.306368,74.137428,124.322868

4.5071321,-6.545567,9.735797,3.648456,12.285822,72.724609,123.913712

4.5096002,-6.325427,9.675977,3.892524,12.197840,71.390533,123.173645

4.5120683,-6.026324,9.570692,4.043272,12.010943,70.328171,122.197159

4.5145373,-5.710471,9.422338,4.036094,11.733711,69.880814,121.218239

4.5170059,-5.385047,9.254840,3.988237,11.426147,69.571098,120.193535

4.5194731,-4.995017,9.099306,3.878167,11.080963,69.513618,118.764359

4.5219412,-4.633701,8.924630,3.679563,10.707912,69.901794,117.438507

4.5244107,-4.308277,8.788239,3.490530,10.391256,70.372101,116.115578

4.5268793,-3.944568,8.697312,3.265605,10.092920,71.122009,114.396133

4.5293465,-3.616751,8.580064,3.071786,9.804808,71.742149,112.856865

4.5318146,-3.281756,8.517851,2.921038,9.584163,72.255219,111.070671

4.5342841,-3.001796,8.460423,2.784647,9.399138,72.766518,109.534912

4.5367522,-2.681158,8.412566,2.638685,9.215343,73.361267,107.677528

4.5392199,-2.331806,8.359924,2.440081,9.015523,74.296852,105.585205

4.5416880,-1.944168,8.338388,2.229512,8.847556,75.404587,103.124535

4.5441570,-1.590031,8.357532,1.990230,8.737136,76.833015,100.771858

4.5466256,-1.226322,8.347960,1.750948,8.617316,78.276466,98.357018

4.5490928,-0.884148,8.381459,1.521237,8.564154,79.768349,96.021774

4.5515609,-0.556331,8.393424,1.351347,8.519695,80.873520,93.792122

4.5540304,-0.180658,8.450851,1.296312,8.551605,81.281097,91.224655

4.5564990,0.226122,8.484351,1.293919,8.585428,81.331863,88.473335

4.5589662,0.623330,8.510672,1.320240,8.634994,81.205315,85.811081

4.5614343,1.056431,8.630313,1.360918,8.800593,81.104118,83.021179

4.5639038,1.542174,8.874381,1.447060,9.122879,80.873268,80.141693

4.5663719,2.003989,9.333803,1.626521,9.684081,80.330872,77.882423

4.5688396,2.465804,10.142577,2.160121,10.659183,78.307831,76.335678

4.5713081,2.889333,11.489737,3.186641,12.268537,74.945305,75.884468

4.5737767,3.152544,13.351352,4.830511,14.544104,70.601982,76.714561

4.5762453,3.365505,15.246468,6.658627,16.974060,66.903404,77.552147

4.5787125,3.611966,16.797016,7.795218,18.866676,65.595627,77.864136

4.5811806,3.987639,17.694324,7.957930,19.807045,66.310951,77.299843

4.5836501,4.210171,17.921644,7.331010,19.815514,68.286652,76.779739

4.5861187,4.037888,17.646469,6.424130,19.208639,70.461533,77.111397

4.5885859,3.320041,17.072191,5.919245,18.371714,71.204376,78.995010

4.5910544,2.068595,16.392630,5.751748,17.495142,70.806313,82.807831

4.5935235,0.515653,15.813566,6.165706,16.980892,68.709503,88.132347

4.5959921,-1.286142,15.447465,7.161120,17.075127,65.203979,94.759415

4.5984592,-3.080759,15.210575,8.388638,17.641481,61.607670,101.449829

4.6009278,-4.724628,15.021543,9.575478,18.429831,58.696987,107.459587

4.6033964,-6.098108,14.767903,10.415359,19.072430,56.900475,112.437195

4.6058650,-7.091130,14.344374,10.774282,19.290682,56.046310,116.305450

4.6083322,-7.679764,13.882559,10.537393,19.045757,56.408554,118.951157

4.6108007,-7.959724,13.420744,9.680762,18.362755,58.183838,120.671806

4.6132698,-7.890333,13.078570,8.280961,17.374714,61.535778,121.102684

4.6157384,-7.564909,12.846467,6.598807,16.303490,66.124657,120.492592

4.6182055,-7.028916,12.719647,4.947759,15.351724,71.198326,118.925171

4.6206741,-6.342176,12.781860,3.550351,14.703882,76.027466,116.389954

4.6231432,-5.528617,12.810575,2.325225,14.145073,80.538544,113.343414

4.6256113,-4.581059,12.851253,1.346561,13.709633,84.363319,109.619522

4.6280789,-3.607180,12.789039,0.530608,13.298601,87.713318,105.751236

4.6305475,-2.551945,12.559328,-0.148953,12.816838,90.665886,101.485634

4.6330161,-1.578067,12.198011,-0.792623,12.325179,93.687187,97.371460

4.6354847,-0.467797,11.664412,-1.369293,11.753821,96.690018,92.296593

4.6379519,0.518046,10.980065,-2.345564,11.239745,102.045288,87.298752

4.6404204,1.381855,10.293324,-3.295515,10.895985,107.604950,82.353889

4.6428895,2.161915,9.637691,-4.022933,10.665034,112.160828,77.356773

4.6453581,2.750550,9.037093,-4.511069,10.468252,115.526505,73.071732

4.6478252,3.217150,8.551350,-4.702495,10.275655,117.234573,69.382927

4.6502938,3.561717,8.206783,-4.700102,10.105844,117.715889,66.539314

4.6527629,3.937390,7.893324,-4.561318,9.930419,117.343742,63.488819

4.6552315,4.336991,7.625328,-4.341178,9.787795,116.329308,60.370457

4.6576986,4.815556,7.381259,-4.070789,9.707930,114.792053,56.879452

4.6601672,5.404190,7.192227,-3.876971,9.796137,113.313713,53.079052

4.6626358,6.124430,7.046265,-3.807579,10.082467,112.187798,49.003681

4.6651044,7.026524,6.950552,-3.841079,10.603588,111.238029,44.688572

4.6675715,7.873583,6.921838,-4.044468,11.236675,111.096184,41.319405

4.6700401,8.572288,6.917052,-4.446463,11.878584,111.982658,38.900356

4.6725092,9.065208,6.873981,-4.992026,12.423765,113.691544,37.172379

4.6749778,9.419347,6.924231,-5.470591,12.907224,115.077225,36.319878

4.6774449,9.565309,6.940980,-5.831907,13.178903,116.264671,35.966179

4.6799135,9.617950,6.933802,-6.087939,13.328375,117.178574,35.788700

4.6823826,9.438489,6.938588,-6.207580,13.257568,117.919411,36.321003

4.6848512,9.132208,6.976872,-6.269794,13.091382,118.615234,37.379295

4.6873183,8.768498,7.077371,-6.248258,12.884738,119.008202,38.908249

4.6897869,8.354540,7.225726,-6.052047,12.595107,118.718567,40.856075

4.6922555,7.919046,7.524829,-5.630910,12.289894,117.269341,43.537796

4.6947241,7.507481,7.807182,-5.003990,11.931231,114.796883,46.121109

4.6971912,7.162915,8.134998,-4.238287,11.638240,111.356453,48.635887

4.6996598,6.882954,8.335996,-3.379264,11.326221,107.358978,50.453831

4.7021289,6.746563,8.458030,-2.517848,11.108282,103.100746,51.422321

4.7045975,6.631708,8.484351,-1.632503,10.891686,98.620277,51.987396

4.7070646,6.514460,8.465208,-0.799801,10.711564,94.282089,52.419666

4.7095332,6.344569,8.431708,-0.005384,10.552122,90.029236,53.039803

4.7120023,6.081359,8.436495,0.714856,10.424413,86.067848,54.214447

4.7144709,5.758327,8.515457,1.332204,10.365622,82.615845,55.932632

4.7169380,5.222335,8.661420,1.767698,10.267314,80.086136,58.912453

4.7194066,4.612165,8.907881,2.107479,10.250068,78.135002,62.626579

4.7218752,3.884748,9.269197,2.320440,10.314733,76.999260,67.261299

4.7243438,3.066402,9.754940,2.399403,10.503276,76.794563,72.549797

4.7268114,2.248057,10.298110,2.368296,10.803410,77.336922,77.685631

4.7292795,1.429712,10.913066,2.277369,11.239461,78.309631,82.536232

4.7317486,0.666401,11.532807,2.217548,11.762961,79.133598,86.692947

4.7342172,-0.027517,12.116655,2.133800,12.303138,80.012383,90.130119

4.7366843,-0.623330,12.640684,2.076372,12.825239,80.682961,92.823051

4.7391529,-1.176072,13.057034,2.042872,13.268106,81.143013,95.146851

4.7416220,-1.659423,13.305888,2.083550,13.569876,81.167732,97.108849

4.7440906,-2.015953,13.358531,2.155335,13.680639,80.935493,98.581825

4.7465577,-2.303092,13.174283,2.265405,13.564588,80.386055,99.916084

4.7490263,-2.566302,12.789039,2.373082,13.258089,79.688995,101.346519

4.7514949,-2.748157,12.238689,2.318047,12.755831,79.529778,102.655655

4.7539635,-2.865405,11.573485,2.143371,12.114047,79.808853,103.905861

4.7564306,-2.886940,10.860424,1.805983,11.381776,80.870110,104.886230

4.7588997,-2.839084,10.180862,1.382453,10.659341,82.548088,105.581917

4.7613683,-2.724229,9.561121,0.966102,9.988483,84.449585,105.903725

4.7638369,-2.518446,9.070593,0.544965,9.429486,86.686813,105.517288

4.7663040,-2.255235,8.745169,0.202792,9.033559,88.713676,104.460571

4.7687726,-1.932204,8.541779,-0.122632,8.758450,90.802261,102.746155

4.7712417,-1.568495,8.431708,-0.421735,8.586719,92.815201,100.537903

4.7737103,-1.121037,8.477173,-0.675374,8.577605,94.515968,97.533195

4.7761774,-0.611366,8.596813,-0.907478,8.666169,96.010750,94.067764

4.7786460,-0.149551,8.797811,-1.130010,8.871346,97.318077,90.973862

4.7811146,0.326620,9.010772,-1.304687,9.110593,98.233376,87.924065

4.7835832,0.769292,9.230911,-1.421935,9.371416,98.727257,85.236053

4.7860508,1.156930,9.448658,-1.567897,9.647483,99.353127,83.019234

4.7885189,1.534996,9.659226,-1.740180,9.934037,100.088753,80.970352

4.7909880,1.831706,9.874580,-1.888535,10.219053,100.649780,79.491249

4.7934566,2.063810,10.018150,-2.008176,10.423791,101.107658,78.359512

4.7959237,2.281556,10.144970,-2.077568,10.603877,101.298782,77.325325

4.7983923,2.472982,10.238290,-2.101496,10.740321,101.283531,76.420731

4.8008614,2.642873,10.305289,-2.046462,10.833825,100.888336,75.616043

4.8033299,2.774478,10.348360,-1.924428,10.885298,100.182930,74.991508

4.8057971,2.865405,10.322039,-1.792822,10.861364,99.500961,74.485306

4.8082657,2.956332,10.281361,-1.632503,10.821799,98.676376,73.957787

4.8107343,2.985046,10.219148,-1.429113,10.741687,97.645508,73.716743

4.8132029,3.011367,10.080363,-1.208974,10.589790,96.555412,73.367218

4.8156700,3.020939,9.920045,-0.945763,10.412868,95.211151,73.063004

4.8181391,2.977868,9.752547,-0.680160,10.219711,93.816071,73.020340

4.8206077,2.901298,9.606585,-0.407378,10.043404,92.324654,73.195091

4.8230762,2.815156,9.424730,-0.136989,9.837144,90.797913,73.369179

4.8255434,2.673979,9.288340,0.190828,9.667462,88.868958,73.939651

4.8280120,2.511267,9.183055,0.521037,9.534487,86.867363,74.705414

4.8304811,2.322234,9.099306,0.800997,9.425058,85.124786,75.683151

4.8329496,2.104487,9.063414,0.987638,9.356803,83.940979,76.927795

4.8354168,1.905883,9.044271,1.116850,9.310134,83.110168,78.100266

4.8378854,1.685744,9.077771,1.176671,9.307643,82.737244,79.479996

4.8403540,1.496711,9.154342,1.224527,9.356366,82.479767,80.714447

4.8428226,1.355534,9.276375,1.246062,9.457340,82.428917,81.686348

4.8452902,1.197608,9.396016,1.281955,9.558389,82.292358,82.736298

4.8477588,1.111466,9.553943,1.298705,9.705659,82.310242,83.364273

4.8502274,1.039681,9.685548,1.303490,9.828014,82.378403,83.873123

4.8526959,0.970290,9.781260,1.389632,9.927013,81.953026,84.334862

4.8551631,0.984646,9.905687,1.439881,10.058103,81.769470,84.323326

4.8576317,0.943969,9.939187,1.487738,10.094151,81.524521,84.574638

4.8601007,0.943969,9.967901,1.511666,10.125970,81.414444,84.590179

4.8625693,0.984646,9.960723,1.468595,10.116437,81.652924,84.354485

4.8650365,1.015753,9.965508,1.370489,10.110457,82.209480,84.180115

4.8675051,0.994218,9.989436,1.188635,10.108914,83.247375,84.316246

4.8699737,0.984646,9.984651,0.930210,10.076114,84.703011,84.367928

4.8724422,0.943969,9.994222,0.733998,10.065500,85.818153,84.604340

4.8749099,0.953540,9.963116,0.468395,10.019596,87.320564,84.533043

4.8773785,0.908076,9.922438,0.269791,9.967555,88.448990,84.771004

4.8798470,0.912862,9.865009,0.090329,9.907566,89.477615,84.713173

4.8823156,0.872184,9.809975,-0.019741,9.848690,90.114845,84.919312

4.8847828,0.848256,9.762118,-0.103490,9.799449,90.605095,85.033897

4.8872514,0.805185,9.695119,-0.215952,9.730894,91.271637,85.252449

4.8897209,0.766900,9.649655,-0.328415,9.685651,91.943123,85.456009

4.8921890,0.733400,9.606585,-0.428913,9.644081,92.549026,85.634308

4.8946562,0.711865,9.613763,-0.570090,9.656924,93.384384,85.765182

4.8971248,0.668794,9.625728,-0.658624,9.671386,93.904884,86.025490

4.8995934,0.599402,9.695119,-0.656232,9.735772,93.864906,86.462181

4.9020619,0.530010,9.733404,-0.582054,9.765186,93.417145,86.883171

4.9045296,0.451047,9.769297,-0.436092,9.789422,92.553215,87.356537

4.9069982,0.415155,9.764511,-0.227916,9.775990,91.335907,87.565437

4.9094672,0.338584,9.771689,-0.060419,9.777740,90.354042,88.015526

4.9119353,0.271585,9.735797,0.073579,9.739862,89.567162,88.402115

4.9144025,0.139980,9.721440,0.221934,9.724980,88.692337,89.175049

4.9168711,0.039482,9.699904,0.281755,9.704076,88.336197,89.766792

4.9193406,-0.147159,9.697512,0.315254,9.703751,88.138252,90.869392

4.9218087,-0.307478,9.731011,0.308076,9.740741,88.187569,91.809814

4.9242759,-0.465404,9.757333,0.339183,9.774313,88.011353,92.730820

4.9267445,-0.647259,9.788439,0.312862,9.814803,88.173302,93.783165

4.9292135,-0.831506,9.838689,0.322433,9.879026,88.129639,94.830811

4.9316816,-1.006182,9.908080,0.334397,9.964651,88.076889,95.798599

4.9341493,-1.171287,9.996614,0.372682,10.071897,87.879448,96.682777

4.9366179,-1.348356,10.066007,0.434896,10.165219,87.547981,97.629433

4.9390869,-1.479961,10.109077,0.475574,10.227899,87.334915,98.328888

4.9415550,-1.585245,10.140184,0.535394,10.277305,87.013840,98.885300

4.9440222,-1.664208,10.168898,0.568894,10.319870,86.839905,99.294441

4.9464908,-1.738386,10.135399,0.561715,10.298729,86.873413,99.732460

4.9489603,-1.764707,10.111470,0.492323,10.276109,87.253937,99.899849

4.9514284,-1.745564,10.063614,0.413360,10.222239,87.682480,99.840218

4.9538956,-1.700101,10.015758,0.341575,10.164763,88.074280,99.633713

4.9563642,-1.606780,9.953544,0.248255,10.085455,88.589508,99.170036

4.9588332,-1.537389,9.893723,0.159721,10.013733,89.086082,98.832565

4.9613013,-1.427319,9.850653,0.116650,9.954206,89.328552,98.244545

4.9637694,-1.288535,9.831510,0.080758,9.915918,89.533363,97.466728

4.9662375,-1.116252,9.809975,0.111864,9.873912,89.350868,96.491615

4.9687066,-0.943969,9.790833,0.183649,9.837948,88.930374,95.507065

4.9711747,-0.754936,9.766904,0.296112,9.800511,88.268608,94.419907

4.9736419,-0.613759,9.721440,0.394218,9.748770,87.682457,93.612549

4.9761105,-0.436690,9.687941,0.499502,9.710633,87.051483,92.580894

4.9785800,-0.302692,9.695119,0.554537,9.715681,86.727982,91.788254

4.9810481,-0.142373,9.666406,0.556929,9.683483,86.702911,90.843826

4.9835157,0.013161,9.656834,0.533001,9.671540,86.840813,89.921913

4.9859838,0.204586,9.683155,0.506680,9.698560,87.005341,88.789635

4.9884534,0.355334,9.678370,0.470788,9.696326,87.217010,87.897369

4.9909210,0.573081,9.690333,0.430110,9.716788,87.462997,86.615501

4.9933891,0.750150,9.735797,0.351147,9.770966,87.940475,85.594025

4.9958572,0.917647,9.723833,0.274576,9.770896,88.389694,84.608910

4.9983263,1.080359,9.742975,0.207577,9.804889,88.786911,83.672546

5.0007944,1.250250,9.742975,0.162114,9.824203,89.054489,82.687584

5.0032620,1.348356,9.747761,0.147757,9.841683,89.139763,82.124557

5.0057302,1.434497,9.738190,0.107079,9.843861,89.376740,81.620232

5.0081997,1.482354,9.754940,0.085543,9.867296,89.503273,81.359474

5.0106678,1.508675,9.754940,0.054437,9.871064,89.684029,81.208435

5.0131354,1.487139,9.754940,0.042473,9.867737,89.753387,81.332008

5.0156035,1.412962,9.778868,0.066401,9.880644,89.614952,81.778160

5.0180726,1.379462,9.807582,0.071186,9.904375,89.588188,81.993721

5.0205407,1.288535,9.817153,0.133400,9.902253,89.228104,82.522476

5.0230088,1.183251,9.805189,0.159721,9.877618,89.073486,83.119049

5.0254769,1.101895,9.781260,0.190828,9.844980,88.889351,83.572517

5.0279460,0.970290,9.757333,0.190828,9.807315,88.885086,84.321060

5.0304141,0.831506,9.714262,0.176471,9.751381,88.963058,85.107613

5.0328817,0.733400,9.659226,0.221934,9.689570,88.687553,85.658012

5.0353498,0.594616,9.644870,0.255434,9.666557,88.485809,86.472122

5.0378194,0.520439,9.585050,0.332004,9.604908,88.019112,86.892067

5.0402875,0.412762,9.544372,0.442074,9.563516,87.350555,87.523697

5.0427551,0.340977,9.501301,0.561715,9.523996,86.618797,87.944687

5.0452232,0.264407,9.491729,0.683749,9.519997,85.881332,88.404350

5.0476928,0.218943,9.501301,0.707677,9.530134,85.741478,88.679939

5.0501604,0.159123,9.518050,0.628714,9.540119,86.221344,89.042221

5.0526285,0.151944,9.594621,0.533001,9.610615,86.820763,89.092720

5.0550966,0.173480,9.668798,0.410967,9.679083,87.566528,88.972099

5.0575657,0.228515,9.747761,0.262612,9.753974,88.457207,88.657074

5.0600338,0.324227,9.838689,0.138186,9.844999,89.195763,88.112541

5.0625014,0.436690,9.898509,0.049651,9.908261,89.712883,87.473930

5.0649695,0.606581,9.970294,0.030508,9.988775,89.825005,86.518486

5.0674391,0.781257,10.001400,-0.010169,10.031873,90.058083,85.533424

5.0699072,0.972682,9.994222,-0.026919,10.041479,90.153603,84.441223

5.0723748,1.130609,9.965508,-0.017348,10.029453,90.099106,83.527344

5.0748429,1.264607,9.963116,-0.019741,10.043072,90.112625,82.766197

5.0773125,1.389034,9.898509,-0.012562,9.995502,90.072006,82.011986

5.0797801,1.518246,9.853045,-0.022134,9.969357,90.127205,81.240242

5.0822482,1.633101,9.793225,-0.048455,9.928576,90.279625,80.532570

5.0847163,1.735993,9.754940,-0.081954,9.908544,90.473900,79.909264

5.0871854,1.865205,9.709476,-0.132203,9.887892,90.766083,79.125862

5.0896535,1.987239,9.661619,-0.184846,9.865605,91.073578,78.377274

5.0921211,2.137987,9.640084,-0.263809,9.877844,91.530388,77.495285

5.0945892,2.279164,9.628120,-0.302094,9.898816,91.748833,76.682121

5.0970588,2.427519,9.649655,-0.335593,9.955969,91.931679,75.879379

5.0995269,2.575874,9.685548,-0.345165,10.028166,91.972481,75.106911

5.1019945,2.748157,9.697512,-0.333201,10.084896,91.893372,74.177917

5.1044626,2.848655,9.726226,-0.304487,10.139380,91.720856,73.675537

5.1069322,2.973082,9.762118,-0.230309,10.207410,91.292870,73.061729

5.1093998,3.044867,9.762118,-0.182453,10.227583,91.022171,72.676971

5.1118679,3.085545,9.771689,-0.144168,10.248281,90.806038,72.475777

5.1143360,3.059224,9.800404,-0.084347,10.267126,90.470703,72.664101

5.1168051,3.016153,9.795618,-0.014955,10.249465,90.083603,72.885963

5.1192732,2.968297,9.805189,0.061615,10.244819,89.655403,73.157516

5.1217408,2.882155,9.831510,0.054437,10.245407,89.695572,73.661247

5.1242089,2.755335,9.843474,0.042473,10.221921,89.761932,74.362274

5.1266785,2.611766,9.867402,0.008973,10.207205,89.949631,75.174568

5.1291466,2.496910,9.898509,-0.041276,10.208660,90.231659,75.842430

5.1316142,2.362912,9.910473,-0.067597,10.188494,90.380142,76.589577

5.1340823,2.197808,9.920045,-0.151346,10.161720,90.853378,77.507782

5.1365519,2.039881,9.920045,-0.175274,10.129123,90.991493,78.380112

5.1390200,1.831706,9.929616,-0.168096,10.098549,90.953766,79.548203

5.1414876,1.597209,9.896116,-0.125025,10.024961,90.714577,80.831665

5.1439557,1.369891,9.881760,-0.012562,9.976269,90.072151,82.107491

5.1464248,1.106681,9.809975,0.104686,9.872755,89.392448,83.563576

5.1488929,0.867398,9.778868,0.221934,9.819770,88.704964,84.931053

5.1513605,0.632902,9.757333,0.334397,9.783554,88.041275,86.288757

5.1538286,0.379262,9.726226,0.425324,9.742906,87.497971,87.766953

5.1562982,0.116052,9.719048,0.463609,9.730790,87.269196,89.315880

5.1587663,-0.099302,9.709476,0.499502,9.722823,87.055183,90.585960

5.1612339,-0.305085,9.707084,0.482752,9.723867,87.154320,91.800163

5.1637020,-0.522832,9.709476,0.446860,9.733806,87.368744,93.082260

5.1661716,-0.673580,9.721440,0.391825,9.752623,87.697449,93.963577

5.1686392,-0.759721,9.733404,0.329611,9.768571,88.066360,94.463058

5.1711073,-0.872184,9.728619,0.269791,9.771361,88.417839,95.122948

5.1735754,-0.948754,9.740582,0.214756,9.789035,88.742920,95.563187

5.1760445,-0.979861,9.754940,0.190828,9.805885,88.884926,95.735985

5.1785126,-0.960718,9.762118,0.142971,9.810320,89.164970,95.620544

5.1809802,-0.960718,9.774082,0.083151,9.821536,89.514923,95.613708

5.1834483,-0.893719,9.783653,0.020937,9.824410,89.877892,95.219383

5.1859179,-0.826720,9.814760,-0.067597,9.849749,90.393211,94.814789

5.1883860,-0.731007,9.848260,-0.151346,9.876513,90.878029,94.245110

5.1908536,-0.625723,9.879367,-0.211167,9.901415,91.222038,93.624062

5.1933217,-0.470190,9.896116,-0.287737,9.911458,91.663574,92.720222

5.1957912,-0.338584,9.915258,-0.366700,9.927813,92.116798,91.955765

5.1982594,-0.147159,9.934402,-0.402592,9.943645,92.320389,90.848663

5.2007270,0.005982,9.943973,-0.407378,9.952315,92.345940,89.965530

5.2031951,0.159123,9.934402,-0.359522,9.942179,92.072342,89.082352

5.2056642,0.283549,9.908080,-0.318844,9.917263,91.842400,88.360756

5.2081323,0.393619,9.879367,-0.294915,9.891603,91.708511,87.718399

5.2105999,0.506082,9.857831,-0.268594,9.874467,91.558685,87.061127

5.2130680,0.594616,9.838689,-0.249452,9.859797,91.449730,86.541451

5.2155375,0.640080,9.824331,-0.218345,9.847582,91.270493,86.272301

5.2180057,0.659223,9.814760,-0.156132,9.838114,90.909325,86.157417

5.2204733,0.731007,9.783653,-0.062812,9.811126,90.366814,85.726959

5.2229414,0.754936,9.726226,0.054437,9.755632,89.680283,85.561684

5.2254109,0.762114,9.731011,0.166899,9.762237,89.020401,85.521843

5.2278786,0.778864,9.735797,0.248255,9.770057,88.543968,85.426079

5.2303467,0.771685,9.697512,0.341575,9.734161,87.989059,85.450241

5.2328148,0.750150,9.678370,0.422931,9.716606,87.505318,85.567986

5.2352839,0.714258,9.697512,0.427717,9.733183,87.481369,85.787560

5.2377520,0.656830,9.716655,0.430110,9.748323,87.471207,86.132782

5.2402196,0.613759,9.742975,0.387039,9.769958,87.729622,86.395416

5.2426877,0.549153,9.774082,0.355932,9.795965,87.917725,86.784241

5.2451572,0.474975,9.824331,0.291326,9.840119,88.303459,87.232086

5.2476254,0.381655,9.836296,0.217149,9.846092,88.736282,87.778000

5.2500930,0.271585,9.857831,0.169292,9.863025,89.016510,88.421890

5.2525611,0.147159,9.886545,0.138186,9.888606,89.199310,89.147232

5.2550306,0.056231,9.932009,0.123829,9.932940,89.285706,89.675613

5.2574992,-0.070588,9.948758,0.078365,9.949317,89.548714,90.406517

5.2599664,-0.156730,9.987043,0.042473,9.988363,89.756363,90.899086

5.2624345,-0.218943,10.015758,0.037687,10.018221,89.784462,91.252281

5.2649035,-0.262014,10.030114,0.006580,10.033538,89.962425,91.496384

5.2673717,-0.235693,10.034900,-0.026919,10.037704,90.153656,91.345474

5.2698398,-0.190229,9.967901,-0.050847,9.969846,90.292213,91.093307

5.2723079,-0.139980,9.936794,-0.093918,9.938224,90.541466,90.807076

5.2747769,-0.056231,9.886545,-0.115454,9.887379,90.669052,90.325874

5.2772455,-0.027517,9.838689,-0.103490,9.839272,90.602646,90.160248

5.2797127,0.001196,9.807582,-0.062812,9.807783,90.366943,89.993011

5.2821808,0.025125,9.812367,0.020937,9.812422,89.877747,89.853294

5.2846503,0.032303,9.769297,0.116650,9.770046,89.315895,89.810547

5.2871189,0.044267,9.742975,0.154935,9.744308,89.088951,89.739677

5.2895861,0.051446,9.702297,0.150150,9.703595,89.113396,89.696198

5.2920542,0.041874,9.664013,0.121436,9.664866,89.280083,89.751740

5.2945232,0.072981,9.635299,0.068794,9.635820,89.590942,89.566032

5.2969918,0.096909,9.608977,0.001795,9.609466,89.989296,89.422173

5.2994590,0.147159,9.608977,-0.108275,9.610714,90.645515,89.122604

5.3019276,0.226122,9.613763,-0.172881,9.617975,91.029938,88.652618

5.3043966,0.362513,9.616156,-0.290130,9.627359,91.726929,87.841072

5.3068652,0.520439,9.611370,-0.352343,9.631897,92.096397,86.900558

5.3093324,0.687936,9.606585,-0.409771,9.639898,92.436249,85.903984

5.3118005,0.857827,9.613763,-0.431306,9.661591,92.558609,84.901054

5.3142700,1.044467,9.623335,-0.431306,9.689454,92.551247,83.805656

5.3167386,1.247857,9.666406,-0.395414,9.754635,92.323181,82.644249

5.3192058,1.408176,9.716655,-0.357129,9.824657,92.083176,81.753876

5.3216739,1.551746,9.762118,-0.285344,9.888796,91.653519,80.968063

5.3241429,1.716850,9.795618,-0.223131,9.947437,91.285309,80.058899

5.3266115,1.826920,9.833903,-0.168096,10.003577,90.962822,79.475700

5.3290792,1.941776,9.857831,-0.079561,10.047570,90.453697,78.856651

5.3315473,2.044667,9.819546,0.008973,10.030166,89.948746,78.237701

5.3340163,2.116452,9.821939,0.097508,10.047853,89.443977,77.839722

5.3364849,2.214557,9.774082,0.190828,10.023641,88.909149,77.233780

5.3389521,2.243271,9.726226,0.257827,9.984900,88.520363,77.012329

5.3414202,2.315056,9.683155,0.315254,9.961042,88.186356,76.554077

5.3438897,2.324627,9.642477,0.327219,9.924129,88.110497,76.445663

5.3463583,2.334198,9.616156,0.322433,9.900651,88.133728,76.356071

5.3488255,2.312663,9.592228,0.324826,9.872424,88.114494,76.444817

5.3512936,2.279164,9.608977,0.272184,9.879328,88.421257,76.656540

5.3537626,2.197808,9.613763,0.236291,9.864615,88.627441,77.122871

5.3562312,2.123630,9.618548,0.253041,9.853441,88.528458,77.549690

5.3586988,2.042274,9.635299,0.255434,9.852671,88.514420,78.032845

5.3611674,1.936990,9.661619,0.296112,9.858321,88.278763,78.663467

5.3636360,1.824527,9.709476,0.322433,9.884675,88.130707,79.357544

5.3661046,1.707279,9.704690,0.346361,9.859806,87.986862,80.022446

5.3685718,1.594816,9.742975,0.339183,9.878464,88.032333,80.703766

5.3710399,1.518246,9.759726,0.327219,9.882529,88.102547,81.157806

5.3735094,1.405783,9.798011,0.303290,9.902991,88.244980,81.835129

5.3759780,1.307678,9.821939,0.248255,9.911716,88.564781,82.416328

5.3784451,1.221536,9.831510,0.200399,9.909132,88.841194,82.917465

5.3809137,1.133002,9.860224,0.128614,9.925938,89.257576,83.445107

5.3833823,1.039681,9.872188,0.071186,9.927039,89.589127,83.988106

5.3858509,0.948754,9.884152,0.047258,9.929695,89.727310,84.517120

5.3883185,0.860220,9.869795,0.023330,9.907238,89.865074,85.018867

5.3907871,0.747757,9.886545,0.032901,9.914838,89.809868,85.674736

5.3932557,0.680758,9.900902,0.020937,9.924299,89.879120,86.066696

5.3957243,0.582652,9.920045,-0.002991,9.937141,90.017242,86.638603

5.3981915,0.467797,9.908080,-0.005384,9.919119,90.031097,87.296860

5.4006600,0.376870,9.884152,-0.010169,9.891340,90.058907,87.816444

5.4031291,0.297906,9.879367,-0.067597,9.884089,90.391846,88.272804

5.4055977,0.254836,9.862617,-0.120239,9.866641,90.698250,88.519890

5.4080648,0.242871,9.853045,-0.180060,9.857683,91.046623,88.587982

5.4105334,0.214158,9.836296,-0.254237,9.841911,91.480232,88.752747

5.4130020,0.230907,9.817153,-0.282951,9.823944,91.650475,88.652603

5.4154706,0.235693,9.788439,-0.321236,9.796544,91.879112,88.620659

5.4179382,0.297906,9.800404,-0.359522,9.811520,92.099945,88.258896

5.4204068,0.336192,9.783653,-0.378664,9.796748,92.215149,88.031944

5.4228754,0.329013,9.781260,-0.345165,9.792877,92.019897,88.073463

5.4253440,0.355334,9.824331,-0.335593,9.836482,91.955154,87.928581

5.4278111,0.384048,9.845867,-0.287737,9.857554,91.672668,87.766251

5.4302797,0.374477,9.869795,-0.285344,9.881018,91.654816,87.827141

5.4327488,0.384048,9.900902,-0.311665,9.913248,91.801636,87.778656

5.4352174,0.410369,9.881760,-0.357129,9.896723,92.068001,87.621994

5.4376845,0.443869,9.872188,-0.433699,9.891674,92.512932,87.425629

5.4401531,0.513260,9.857831,-0.505484,9.884118,92.931442,87.019516

5.4426217,0.599402,9.826724,-0.558126,9.860796,93.244705,86.509445

5.4450903,0.673580,9.802796,-0.553340,9.841479,93.223175,86.069214

5.4475579,0.786042,9.783653,-0.527019,9.829317,93.073509,85.406586

5.4500265,0.860220,9.781260,-0.474377,9.830466,92.765930,84.974014

5.4524951,0.991825,9.774082,-0.390628,9.832039,92.276970,84.205742

5.4549637,1.092324,9.726226,-0.247059,9.790489,91.445992,83.592133

5.4574308,1.207179,9.707084,-0.120239,9.782598,90.704247,82.911057

5.4598994,1.312463,9.680762,0.059222,9.769505,89.652672,82.279236

5.4623685,1.424926,9.628120,0.171685,9.734505,88.989433,81.581543

5.4648371,1.570888,9.589835,0.296112,9.722156,88.254646,80.697136

5.4673042,1.692922,9.556335,0.339183,9.711054,87.998398,79.954170

5.4697728,1.798206,9.565907,0.343968,9.739530,87.976082,79.353737

5.4722419,1.922633,9.573085,0.329611,9.769806,88.066605,78.643944

5.4747100,2.023132,9.587442,0.312862,9.803571,88.171211,78.084320

5.4771776,2.097309,9.606585,0.274576,9.836695,88.400467,77.684433

5.4796462,2.173879,9.649655,0.226720,9.894089,88.686974,77.304321

5.4821148,2.178665,9.673584,0.233898,9.918645,88.648743,77.307732

5.4845834,2.231307,9.709476,0.245863,9.965596,88.586304,77.057732

5.4870505,2.231307,9.745368,0.293719,10.001860,88.317184,77.103798

5.4895191,2.193022,9.752547,0.303290,10.000675,88.262123,77.326897

5.4919882,2.080559,9.793225,0.300897,10.016314,88.278534,78.005905

5.4944568,1.980061,9.800404,0.327219,10.003780,88.125549,78.577797

5.4969239,1.831706,9.805189,0.312862,9.979717,88.203499,79.418549

5.4993925,1.654637,9.807582,0.305683,9.950875,88.239639,80.423805

5.5018611,1.508675,9.795618,0.255434,9.914408,88.523674,81.244370

5.5043297,1.336391,9.800404,0.209970,9.893329,88.783897,82.234993

5.5067973,1.161715,9.776475,0.154935,9.846474,89.098412,83.223457

5.5092659,1.008575,9.750154,0.066401,9.802405,89.611877,84.094215

5.5117345,0.886541,9.781260,0.016152,9.821368,89.905777,84.821053

5.5142031,0.745364,9.771689,-0.012562,9.800084,90.073448,85.638046

5.5166702,0.664008,9.800404,-0.019741,9.822892,90.115143,86.123955

5.5191388,0.582652,9.814760,-0.048455,9.832159,90.282364,86.602631

5.5216079,0.510868,9.812367,-0.046062,9.825766,90.268593,87.019661

5.5240765,0.439083,9.793225,-0.043669,9.803161,90.255226,87.432838

5.5265436,0.429512,9.800404,-0.055633,9.809969,90.324928,87.490562

5.5290122,0.419940,9.805189,-0.060419,9.814363,90.352722,87.547615

5.5314813,0.379262,9.814760,-0.065204,9.822302,90.380356,87.787079

5.5339494,0.386441,9.841082,-0.113061,9.849315,90.657715,87.751259

5.5364170,0.386441,9.848260,-0.153739,9.857038,90.893669,87.752892

5.5388856,0.376870,9.867402,-0.184846,9.876326,91.072411,87.812744

5.5413542,0.369691,9.867402,-0.213559,9.876635,91.238983,87.854362

5.5438228,0.419940,9.826724,-0.273380,9.839492,91.592110,87.552979

5.5462899,0.436690,9.783653,-0.412164,9.802063,92.409920,87.444321

5.5487585,0.474975,9.728619,-0.543769,9.755373,93.195351,87.204895

5.5512276,0.537189,9.716655,-0.670589,9.754571,93.941971,86.835602

5.5536962,0.611366,9.735797,-0.771087,9.785402,94.519577,86.406792

5.5561633,0.704686,9.745368,-0.790230,9.802716,94.623817,85.864151

5.5586319,0.771685,9.795618,-0.759123,9.855247,94.417717,85.495621

5.5611010,0.826720,9.857831,-0.708874,9.917802,94.098701,85.206146

5.5635691,0.951147,9.879367,-0.615554,9.944118,93.548950,84.500732

5.5660367,1.018146,9.874580,-0.570090,9.943288,93.286804,84.113159

5.5685053,1.106681,9.848260,-0.560519,9.926084,93.237175,83.588387

5.5709739,1.216750,9.838689,-0.469591,9.924757,92.711975,82.950027

5.5734425,1.281357,9.776475,-0.412164,9.868699,92.393639,82.533073

5.5759096,1.403391,9.719048,-0.263809,9.823390,91.538872,81.783516

5.5783782,1.513460,9.647263,-0.141775,9.766286,90.831779,81.084122

5.5808473,1.647458,9.582657,-0.005384,9.723244,90.031723,80.245026

5.5833158,1.762314,9.518050,0.090329,9.680247,89.465347,79.510201

5.5857830,1.889133,9.479765,0.188435,9.668003,88.883202,78.729706

5.5882516,2.023132,9.467801,0.265005,9.685172,88.432083,77.938126

5.5907207,2.152344,9.460623,0.257827,9.705794,88.477806,77.183052

5.5931888,2.252842,9.477372,0.260219,9.744926,88.469849,76.628525

5.5956564,2.324627,9.508479,0.260219,9.791975,88.477196,76.261841

5.5981250,2.372484,9.568299,0.217149,9.860435,88.738121,76.074219

5.6005936,2.386841,9.616156,0.195613,9.909880,88.868950,76.060242

5.6030622,2.391626,9.652048,0.183649,9.945634,88.941956,76.083298

5.6055293,2.327020,9.719048,0.183649,9.995431,88.947227,76.535217

5.6079979,2.245664,9.802796,0.219541,10.059126,88.749413,77.097092

5.6104670,2.109273,9.850653,0.226720,10.076497,88.710747,77.914032

5.6129355,1.982454,9.898509,0.231506,10.097733,88.686295,78.674751

5.6154027,1.814956,9.934402,0.214756,10.101115,88.781769,79.646584

5.6178713,1.630709,9.932009,0.183649,10.066665,88.954681,80.675957

5.6203403,1.460818,9.955936,0.123829,10.063299,89.294960,81.652649

5.6228089,1.300499,9.932009,0.085543,10.017156,89.510704,82.540123

5.6252761,1.104288,9.927223,0.013759,9.988463,89.921074,83.652611

5.6277447,0.941576,9.920045,-0.046062,9.964737,90.264847,84.577927

5.6302133,0.769292,9.876974,-0.086740,9.907268,90.501640,85.546371

5.6326818,0.632902,9.893723,-0.113061,9.914591,90.653389,86.339775

5.6351490,0.515653,9.872188,-0.146560,9.886732,90.849380,87.009995

5.6376176,0.388834,9.857831,-0.132203,9.866383,90.767754,87.741188

5.6400867,0.290728,9.869795,-0.163310,9.875426,90.947548,88.312767

5.6425552,0.235693,9.867402,-0.232702,9.872959,91.350563,88.631691

5.6450224,0.173480,9.857831,-0.278166,9.863281,91.616081,88.991806

5.6474910,0.149551,9.872188,-0.335593,9.879023,91.946732,89.132103

5.6499605,0.180658,9.884152,-0.342772,9.891745,91.985832,88.952888

5.6524282,0.254836,9.879367,-0.337986,9.888431,91.958748,88.522400

5.6548958,0.293121,9.857831,-0.309272,9.867036,91.796173,88.296822

5.6573644,0.384048,9.826724,-0.266202,9.837828,91.550552,87.761902

5.6598330,0.422333,9.800404,-0.235095,9.812316,91.372887,87.532455

5.6623015,0.472582,9.783653,-0.211167,9.797337,91.235016,87.234573

5.6647687,0.525225,9.735797,-0.196810,9.751941,91.156395,86.912010

5.6672373,0.520439,9.711869,-0.194417,9.727747,91.145180,86.932571

5.6697068,0.479761,9.685548,-0.196810,9.699420,91.162659,87.164246

5.6721749,0.429512,9.692726,-0.194417,9.704185,91.147957,87.462723

5.6746421,0.374477,9.671191,-0.165703,9.679857,90.980858,87.782570

5.6771107,0.331406,9.699904,-0.125025,9.706369,90.738029,88.043198

5.6795802,0.262014,9.742975,-0.093918,9.746950,90.552094,88.459541

5.6820483,0.180658,9.740582,-0.005384,9.742259,90.031662,88.937462

5.6845155,0.120838,9.771689,0.083151,9.772790,89.512497,89.291512

5.6869841,0.070588,9.754940,0.169292,9.756664,89.005783,89.585403

5.6894531,0.017946,9.771689,0.260219,9.775170,88.474579,89.894775

5.6919212,-0.039482,9.778868,0.322433,9.784262,88.111519,90.231323

5.6943889,-0.068195,9.781260,0.391825,9.789343,87.706085,90.399460

5.6968570,-0.099302,9.805189,0.418146,9.814603,87.558205,90.580246

5.6993265,-0.094516,9.809975,0.394218,9.818348,87.698891,90.552010

5.7017946,-0.068195,9.826724,0.375075,9.834116,87.814201,90.397614

5.7042618,-0.029910,9.874580,0.343968,9.880615,88.004990,90.173546

5.7067304,0.039482,9.893723,0.308076,9.898598,88.216484,89.771362

5.7091999,0.087338,9.929616,0.296112,9.934414,88.291954,89.496056

5.7116680,0.192622,9.963116,0.339183,9.970748,88.050552,88.892410

5.7141352,0.259621,9.975080,0.341575,9.984303,88.039459,88.509102

5.7166038,0.307478,9.991829,0.358325,10.002979,87.947121,88.237396

5.7190728,0.307478,9.991829,0.363111,10.003152,87.919724,88.237396

5.7215409,0.309871,9.999007,0.308076,10.008551,88.236084,88.224968

5.7240081,0.302692,9.977472,0.253041,9.985270,88.547890,88.262321

5.7264771,0.283549,9.951151,0.119043,9.955901,89.314896,88.367851

5.7289462,0.223729,9.953544,-0.007777,9.956060,90.044754,88.712364

5.7314143,0.221336,9.953544,-0.127418,9.956820,90.733238,88.726128

5.7338815,0.199801,9.920045,-0.268594,9.925692,91.550644,88.846153

5.7363501,0.218943,9.903295,-0.402592,9.913892,92.327362,88.733505

5.7388196,0.226122,9.888938,-0.493520,9.903827,92.856300,88.690094

5.7412877,0.283549,9.867402,-0.565304,9.887649,93.277550,88.354004

5.7437549,0.326620,9.836296,-0.615554,9.860949,93.578926,88.098160

5.7462234,0.415155,9.809975,-0.658624,9.840820,93.837547,87.576706

5.7486925,0.494118,9.790833,-0.701695,9.828374,94.094109,87.110886

5.7511606,0.597009,9.757333,-0.725623,9.802474,94.245178,86.498680

5.7536287,0.678365,9.726226,-0.730409,9.777175,94.284302,86.010307

5.7560968,0.762114,9.716655,-0.706481,9.772068,94.145866,85.515259

5.7585659,0.857827,9.697512,-0.661017,9.757794,93.884331,84.944862

5.7610340,0.958325,9.656834,-0.579661,9.721565,93.418365,84.332634

5.7635012,0.977468,9.644870,-0.510269,9.707695,93.013046,84.213066

5.7659698,1.034896,9.625728,-0.462413,9.692238,92.734596,83.863503

5.7684393,1.063610,9.628120,-0.402592,9.695053,92.379921,83.696144

5.7709074,1.099502,9.587442,-0.404985,9.658777,92.403076,83.457817

5.7733750,1.125823,9.582657,-0.436092,9.658415,92.587868,83.299294

5.7758431,1.159323,9.589835,-0.467199,9.670948,92.769005,83.106918

5.7783122,1.211965,9.613763,-0.476770,9.701577,92.816849,82.814880

5.7807803,1.276571,9.630513,-0.503091,9.727771,92.964485,82.449188

5.7832484,1.348356,9.647263,-0.467199,9.752231,92.745911,82.043564

5.7857165,1.456033,9.659226,-0.455234,9.778953,92.668228,81.427765

5.7881856,1.489532,9.692726,-0.431306,9.815990,92.518341,81.263405

5.7906537,1.554138,9.719048,-0.416949,9.851349,92.425713,80.914948

5.7931213,1.618744,9.745368,-0.347557,9.885005,92.014938,80.569046

5.7955894,1.649851,9.776475,-0.299701,9.919238,91.731407,80.421173

5.7980590,1.678565,9.788439,-0.230309,9.933990,91.328461,80.269310

5.8005271,1.668994,9.783653,-0.160917,9.926293,90.928879,80.319099

5.8029947,1.664208,9.778868,-0.098704,9.919959,90.570107,80.341698

5.8054628,1.606780,9.757333,-0.041276,9.888831,90.239151,80.648788

5.8079319,1.525424,9.764511,0.001795,9.882945,89.989594,81.120949

5.8104000,1.484746,9.738190,0.049651,9.850852,89.711212,81.331078

5.8128681,1.424926,9.704690,0.028116,9.808783,89.835770,81.647026

5.8153362,1.345963,9.716655,-0.007777,9.809437,90.045425,82.113503

5.8178053,1.274178,9.719048,-0.019741,9.802235,90.115387,82.531059

5.8202734,1.226322,9.711869,0.006580,9.788990,89.961487,82.803329

5.8227410,1.223929,9.735797,0.056830,9.812593,89.668167,82.834694

5.8252091,1.190429,9.769297,0.056830,9.841722,89.669151,83.052521

5.8276787,1.185644,9.742975,0.111864,9.815490,89.347000,83.061668

5.8301468,1.168894,9.726226,0.133400,9.797121,89.219826,83.147087

5.8326144,1.166501,9.711869,0.207577,9.783875,88.784309,83.150963

5.8350825,1.137787,9.721440,0.286541,9.791990,88.323128,83.324532

5.8375516,1.128216,9.707084,0.346361,9.778563,87.970131,83.370483

5.8400197,1.082752,9.704690,0.415753,9.773751,87.562035,83.633835

5.8424878,1.058824,9.656834,0.434896,9.724437,87.436768,83.742798

5.8449559,1.020539,9.666406,0.399003,9.728314,87.649376,83.973274

5.8474250,0.960718,9.697512,0.363111,9.751747,87.866074,84.342255

5.8498931,0.905683,9.707084,0.272184,9.753041,88.400810,84.669662

5.8523607,0.831506,9.728619,0.159721,9.765394,89.062836,85.114799

5.8548288,0.747757,9.788439,0.068794,9.817200,89.598495,85.631554

5.8572984,0.699901,9.826724,-0.036491,9.851686,90.212227,85.926033

5.8597665,0.625723,9.855438,-0.093918,9.875729,90.544891,86.367157

5.8622341,0.580260,9.903295,-0.120239,9.921008,90.694420,86.646729

5.8647022,0.513260,9.908080,-0.108275,9.921956,90.625267,87.034599

5.8671713,0.451047,9.955936,-0.144168,9.967191,90.828766,87.406029

5.8696394,0.343370,9.951151,-0.113061,9.957715,90.650558,88.023758

5.8721075,0.271585,9.936794,-0.103490,9.941044,90.596481,88.434425

5.8745756,0.161516,9.929616,-0.091525,9.931352,90.528038,89.068108

5.8770447,0.070588,9.893723,-0.105882,9.894542,90.613136,89.591225

5.8795128,-0.020339,9.874580,-0.108275,9.875196,90.628227,90.118011

5.8819804,-0.111266,9.848260,-0.165703,9.850283,90.963882,90.647301

5.8844485,-0.154337,9.855438,-0.208774,9.858857,91.213402,90.897186

5.8869181,-0.195015,9.833903,-0.270987,9.839569,91.578156,91.136078

5.8893862,-0.240479,9.824331,-0.304487,9.831990,91.774673,91.402199

5.8918538,-0.214158,9.836296,-0.326022,9.844028,91.897911,91.247253

5.8943219,-0.173480,9.845867,-0.373879,9.854490,92.174316,91.009422

5.8967915,-0.116052,9.829117,-0.395414,9.837751,92.303543,90.676460

5.8992591,-0.058624,9.817153,-0.400200,9.825481,92.334351,90.342140

5.9017272,0.039482,9.841082,-0.383450,9.848628,92.231339,89.770134

5.9041953,0.156730,9.855438,-0.393021,9.864517,92.283379,89.088905

5.9066644,0.283549,9.817153,-0.409771,9.829792,92.389160,88.345581

5.9091325,0.410369,9.812367,-0.443270,9.830943,92.584305,87.605194

5.9116001,0.568295,9.812367,-0.519841,9.842547,93.027527,86.685349

5.9140682,0.654437,9.800404,-0.548555,9.837536,93.196548,86.179657

5.9165378,0.819542,9.795618,-0.574876,9.846637,93.347000,85.217537

5.9190059,0.972682,9.807582,-0.536590,9.870294,93.116371,84.336121

5.9214735,1.082752,9.805189,-0.505484,9.877732,92.933342,83.698563

5.9239416,1.200001,9.793225,-0.433699,9.875999,92.516922,83.014160

5.9264112,1.286142,9.786046,-0.364307,9.876922,92.113815,82.512749

5.9288788,1.357927,9.759726,-0.366700,9.860561,92.131241,82.078964

5.9313469,1.398605,9.759726,-0.328415,9.864897,91.907799,81.844826

5.9338150,1.460818,9.752547,-0.318844,9.866500,91.851883,81.481094

5.9362841,1.482354,9.735797,-0.297308,9.852488,91.729218,81.342743

5.9387522,1.530210,9.714262,-0.285344,9.838183,91.662025,81.048210

5.9412198,1.558924,9.695119,-0.237488,9.822524,91.385422,80.865334

5.9436879,1.570888,9.659226,-0.239880,9.789069,91.404167,80.762810

5.9461575,1.618744,9.666406,-0.220738,9.803493,91.290192,80.493408

5.9486256,1.621137,9.652048,-0.182453,9.788943,91.067978,80.465714

5.9510932,1.640280,9.632906,-0.148953,9.772696,90.873322,80.336426

5.9535613,1.618744,9.642477,-0.148953,9.778542,90.872803,80.470253

5.9560308,1.604388,9.640084,-0.146560,9.773779,90.859200,80.550941

5.9584985,1.573281,9.647263,-0.156132,9.775953,90.915108,80.737709

5.9609666,1.520639,9.671191,-0.134596,9.790935,90.787674,81.064323

5.9634347,1.475175,9.695119,-0.160917,9.808025,90.940079,81.348434

5.9659038,1.412962,9.699904,-0.125025,9.803073,90.730751,81.712151

5.9683719,1.377069,9.740582,-0.101097,9.837962,90.588791,81.953171

5.9708395,1.322034,9.742975,-0.060419,9.832445,90.352074,82.272667

5.9733076,1.262214,9.738190,-0.007777,9.819653,90.045372,82.614792

5.9757771,1.195215,9.747761,0.071186,9.821020,89.584694,83.009613

5.9782453,1.147358,9.728619,0.116650,9.796737,89.317764,83.273811

5.9807129,1.097109,9.750154,0.152542,9.812871,89.109291,83.579956

5.9831810,1.030110,9.754940,0.169292,9.810639,89.011253,83.971977

5.9856505,0.994218,9.750154,0.162114,9.802054,89.052353,84.177704

5.9881186,0.932004,9.795618,0.142971,9.840895,89.167564,84.564949

5.9905863,0.886541,9.812367,0.131007,9.853207,89.238182,84.837379

5.9930544,0.843470,9.814760,0.080758,9.851268,89.530304,85.088127

5.9955235,0.788435,9.848260,0.092722,9.880205,89.462296,85.422760

5.9979916,0.738186,9.860224,0.097508,9.888298,89.435005,85.718536

6.0004592,0.647259,9.867402,0.119043,9.889324,89.310287,86.247025

6.0029273,0.587438,9.886545,0.071186,9.904238,89.588188,86.599602

6.0053968,0.498904,9.891331,0.090329,9.904316,89.477448,87.112534

6.0078650,0.412762,9.912866,0.064008,9.921662,89.630363,87.615639

6.0103326,0.376870,9.946365,0.044865,9.953604,89.741737,87.830093

6.0128007,0.321835,9.943973,0.008973,9.949183,89.948326,88.146278

6.0152702,0.312263,9.953544,-0.007777,9.958444,90.044746,88.203102

6.0177379,0.302692,9.934402,-0.012562,9.939020,90.072418,88.254791

6.0202060,0.300299,9.910473,-0.038883,9.915098,90.224693,88.264397

6.0226741,0.331406,9.893723,-0.031705,9.899323,90.183502,88.081505

6.0251431,0.352941,9.826724,-0.067597,9.833293,90.393875,87.943024

6.0276113,0.398405,9.805189,-0.058026,9.813451,90.338783,87.673233

6.0300789,0.436690,9.786046,-0.077169,9.796088,90.451355,87.444939

6.0325470,0.472582,9.781260,-0.110668,9.793296,90.647476,87.233902

6.0350165,0.455833,9.735797,-0.153739,9.747675,90.903694,87.319351

6.0374851,0.470190,9.726226,-0.175274,9.739161,91.031197,87.232338

6.0399523,0.491725,9.735797,-0.177667,9.749825,91.044136,87.108627

6.0424204,0.474975,9.678370,-0.189631,9.691873,91.121124,87.190407

6.0448899,0.510868,9.697512,-0.201595,9.713051,91.189262,86.984428

6.0473585,0.506082,9.704690,-0.218345,9.720329,91.287125,87.014832

6.0498257,0.522832,9.697512,-0.218345,9.714049,91.287956,86.913940

6.0522938,0.544367,9.661619,-0.223131,9.679515,91.320892,86.775177

6.0547628,0.575474,9.702297,-0.270987,9.723125,91.597061,86.605583

6.0572314,0.585045,9.683155,-0.318844,9.706051,91.882507,86.542458

6.0596991,0.661615,9.716655,-0.357129,9.745700,92.100060,86.104691

6.0621667,0.738186,9.707084,-0.395414,9.743138,92.325920,85.651253

6.0646362,0.807578,9.714262,-0.443270,9.757846,92.603676,85.247749

6.0671048,0.903291,9.704690,-0.462413,9.757601,92.716263,84.682358

6.0695720,0.977468,9.733404,-0.469591,9.793626,92.748314,84.265350

6.0720401,1.077967,9.738190,-0.495912,9.810213,92.897575,83.683372

6.0745096,1.161715,9.742975,-0.483948,9.823917,92.823662,83.200371

6.0769782,1.209572,9.759726,-0.460020,9.845147,92.678154,82.935074

6.0794454,1.300499,9.757333,-0.443270,9.853595,92.578362,82.408119

6.0819135,1.377069,9.757333,-0.407378,9.862445,92.367332,81.966805

6.0843825,1.386641,9.740582,-0.345165,9.844839,92.009232,81.897980

6.0868511,1.446461,9.719048,-0.302094,9.830737,91.760948,81.534950

6.0893183,1.467997,9.690333,-0.311665,9.805851,91.821373,81.385712

6.0917869,1.508675,9.671191,-0.314058,9.793195,91.837730,81.133507

6.0942559,1.525424,9.649655,-0.321236,9.774761,91.883301,81.016975

6.0967245,1.599602,9.656834,-0.330808,9.794008,91.935623,80.594666

6.0991917,1.625923,9.656834,-0.357129,9.799265,92.088577,80.442734

6.1016598,1.685744,9.664013,-0.357129,9.816436,92.084923,80.105156

6.1041293,1.733600,9.714262,-0.366700,9.874550,92.128220,79.881554

6.1065979,1.771885,9.733404,-0.383450,9.900797,92.219574,79.682762

6.1090651,1.831706,9.733404,-0.381057,9.911585,92.203316,79.342293

6.1115332,1.860420,9.759726,-0.328415,9.940888,91.893211,79.207634

6.1140022,1.879562,9.759726,-0.261416,9.942501,91.506638,79.099236

6.1164708,1.901098,9.745368,-0.158524,9.930332,90.914688,78.961540

6.1189384,1.932204,9.714262,-0.022134,9.904584,90.128036,78.750465

6.1214070,1.898705,9.666406,0.080758,9.851447,89.530312,78.887268

6.1238756,1.891526,9.625728,0.174078,9.811361,88.983376,78.882614

6.1263442,1.838884,9.589835,0.207577,9.766756,88.782173,79.145096

6.1288114,1.783849,9.587442,0.207577,9.754192,88.780609,79.460014

6.1312795,1.743171,9.587442,0.164507,9.746013,89.032837,79.695152

6.1337490,1.697708,9.592228,0.090329,9.741725,89.468727,79.963280

6.1362176,1.666601,9.623335,-0.012562,9.766590,90.073700,80.174782

6.1386847,1.582852,9.642477,-0.105882,9.772103,90.620819,80.677803

6.1411533,1.539781,9.711869,-0.180060,9.834824,91.049049,80.990952

6.1436219,1.511068,9.781260,-0.242273,9.900256,91.402252,81.218033

6.1460905,1.381855,9.843474,-0.227916,9.942609,91.313515,82.008873

6.1485581,1.312463,9.886545,-0.206381,9.975416,91.185478,82.438057

6.1510267,1.207179,9.932009,-0.189631,10.006900,91.085823,83.070015

6.1534953,1.089931,9.972687,-0.139382,10.033038,90.795998,83.762810

6.1559639,0.975075,9.984651,-0.081954,10.032484,90.468048,84.422325

6.1584311,0.838684,10.010972,-0.060419,10.046223,90.344582,85.211143

6.1608996,0.709472,10.003794,-0.048455,10.029037,90.276825,85.943359

6.1633687,0.580260,9.996614,-0.053240,10.013583,90.304634,86.677963

6.1658373,0.477368,9.965508,-0.069990,9.977180,90.401932,87.257515

6.1683044,0.364905,9.955936,-0.117847,9.963318,90.677711,87.900932

6.1707730,0.307478,9.908080,-0.144168,9.913898,90.833221,88.222511

6.1732416,0.206979,9.893723,-0.184846,9.897614,91.070107,88.801537

6.1757102,0.125623,9.860224,-0.213559,9.863337,91.240654,89.270065

6.1781778,0.068195,9.833903,-0.230309,9.836837,91.341583,89.602676

6.1806464,0.008375,9.824331,-0.251845,9.827562,91.468445,89.951157

6.1831150,-0.037089,9.788439,-0.270987,9.792259,91.585785,90.217094

6.1855836,-0.061017,9.793225,-0.294915,9.797855,91.724861,90.356979

6.1880507,-0.094516,9.805189,-0.328415,9.811143,91.918259,90.552284

6.1905193,-0.084945,9.802796,-0.371486,9.810201,92.170158,90.496475

6.1929884,-0.061017,9.824331,-0.416949,9.833364,92.430153,90.355850

6.1954570,0.027517,9.848260,-0.431306,9.857738,92.507668,89.839905

6.1979241,0.132802,9.843474,-0.450449,9.854671,92.619858,89.227051

6.2003927,0.245264,9.817153,-0.445663,9.830324,92.598427,88.568863

6.2028613,0.400798,9.805189,-0.462413,9.824265,92.697823,87.659279

6.2053299,0.544367,9.819546,-0.428913,9.843971,92.497238,86.826935

6.2077975,0.656830,9.771689,-0.416949,9.802611,92.437782,86.154495

6.2102661,0.814756,9.754940,-0.419342,9.797884,92.452965,85.225601

6.2127347,0.922433,9.695119,-0.414557,9.747722,92.437439,84.565010

6.2152033,1.025324,9.690333,-0.385843,9.752063,92.267509,83.960060

6.2176704,1.125823,9.685548,-0.376271,9.758017,92.209885,83.369843

6.2201390,1.188036,9.666406,-0.366700,9.746040,92.156296,82.993279

6.2226081,1.276571,9.649655,-0.349950,9.740018,92.059029,82.463997

6.2250767,1.336391,9.654441,-0.345165,9.752605,92.028236,82.119057

6.2275438,1.398605,9.666406,-0.354736,9.773501,92.080048,81.767166

6.2300124,1.424926,9.673584,-0.349950,9.784227,92.049721,81.620544

6.2324810,1.420140,9.714262,-0.354736,9.823926,92.069366,81.682777

6.2349496,1.429712,9.740582,-0.321236,9.850188,91.868874,81.649818

6.2374172,1.429712,9.764511,-0.282951,9.872681,91.642326,81.669991

6.2398858,1.429712,9.752547,-0.235095,9.859591,91.366302,81.659920

6.2423544,1.398605,9.752547,-0.184846,9.854056,91.074837,81.838905

6.2448230,1.343570,9.771689,-0.101097,9.864143,90.587227,82.171135

6.2472901,1.281357,9.764511,-0.022134,9.848250,90.128769,82.524025

6.2497587,1.214357,9.747761,0.054437,9.823261,89.682487,82.898788

6.2522278,1.123430,9.742975,0.123829,9.808312,89.276627,83.422462

6.2546964,1.066002,9.723833,0.162114,9.783434,89.050552,83.743774

6.2571635,0.979861,9.707084,0.181256,9.758097,88.935669,84.235924

6.2596321,0.905683,9.719048,0.171685,9.762665,88.992348,84.676186

6.2621012,0.809970,9.721440,0.152542,9.756317,89.104126,85.237236

6.2645693,0.728615,9.714262,0.147757,9.742669,89.131020,85.710587

6.2670369,0.659223,9.742975,0.099900,9.765763,89.413872,86.129189

6.2695055,0.616152,9.776475,0.097508,9.796357,89.429703,86.393768

6.2719741,0.585045,9.807582,0.078365,9.825329,89.543015,86.586220

6.2744427,0.563510,9.809975,0.073579,9.826422,89.570969,86.712395

6.2769098,0.565903,9.809975,0.071186,9.826541,89.584930,86.698471

6.2793784,0.585045,9.812367,0.066401,9.830017,89.612968,86.587875

6.2818475,0.594616,9.821939,0.044865,9.840023,89.738762,86.535561

6.2843161,0.601795,9.819546,0.013759,9.837978,89.919868,86.492989

6.2867832,0.608973,9.819546,-0.022134,9.838435,90.128899,86.451263

6.2892518,0.666401,9.824331,-0.062812,9.847107,90.365471,86.119476

6.2917209,0.709472,9.833903,-0.084347,9.859824,90.490150,85.873520

6.2941890,0.771685,9.807582,-0.129811,9.838751,90.755974,85.501091

6.2966566,0.805185,9.793225,-0.151346,9.827435,90.882408,85.299797

6.2991252,0.905683,9.795618,-0.182453,9.839089,91.062531,84.717567

6.3015938,0.965504,9.798011,-0.247059,9.848566,91.437462,84.372200

6.3040624,1.066002,9.778868,-0.270987,9.840530,91.578003,83.778702

6.3065295,1.144966,9.788439,-0.333201,9.860806,91.936417,83.328362

6.3089981,1.255036,9.759726,-0.349950,9.846310,92.036797,82.672356

6.3114672,1.350748,9.764511,-0.345165,9.863536,92.005417,82.124123

6.3139358,1.429712,9.738190,-0.395414,9.850521,92.300552,81.647789

6.3164029,1.539781,9.731011,-0.390628,9.859822,92.270546,81.008385

6.3188715,1.625923,9.731011,-0.407378,9.874318,92.364487,80.514259

6.3213406,1.719243,9.723833,-0.428913,9.883962,92.487122,79.973320

6.3238087,1.812563,9.695119,-0.438485,9.872841,92.545525,79.410446

6.3262763,1.893919,9.666406,-0.433699,9.859737,92.521072,78.914581

6.3287449,1.975275,9.671191,-0.440878,9.880690,92.557396,78.456490

6.3312135,2.013560,9.671191,-0.428913,9.887888,92.486137,78.238930

6.3336821,2.070988,9.666406,-0.440878,9.895594,92.553543,77.907425

6.3361492,2.137987,9.673584,-0.393021,9.914822,92.271790,77.537239

6.3386178,2.202593,9.680762,-0.357129,9.934591,92.060112,77.182114

6.3410869,2.221736,9.687941,-0.326022,9.944777,91.878677,77.083702

6.3435555,2.224129,9.683155,-0.316451,9.940341,91.824318,77.064079

6.3460226,2.228914,9.692726,-0.318844,9.950811,91.836182,77.049553

6.3484912,2.204986,9.704690,-0.330808,9.957530,91.903824,77.199242

6.3509603,2.193022,9.699904,-0.328415,9.950143,91.891449,77.260353

6.3534288,2.140380,9.721440,-0.287737,9.958435,91.655724,77.583237

6.3558960,2.051845,9.759726,-0.294915,9.977439,91.693810,78.127274

6.3583646,2.006382,9.783653,-0.263809,9.990747,91.513084,78.410751

6.3608332,1.910669,9.793225,-0.235095,9.980640,91.349731,78.960213

6.3633018,1.812563,9.812367,-0.208774,9.980557,91.198601,79.534164

6.3657689,1.726422,9.802796,-0.184846,9.955376,91.063896,80.011765

6.3682375,1.594816,9.812367,-0.141775,9.942138,90.817062,80.768372

6.3707066,1.463211,9.805189,-0.103490,9.914304,90.598091,81.512482

6.3731751,1.348356,9.798011,-0.038883,9.890429,90.225250,82.164444

6.3756423,1.233500,9.769297,-0.005384,9.846863,90.031326,82.803749

6.3781109,1.130609,9.776475,0.040080,9.841715,89.766663,83.403282

6.3805799,1.006182,9.769297,0.042473,9.821067,89.752213,84.119598

6.3830485,0.920040,9.764511,0.049651,9.807885,89.709946,84.617317

6.3855157,0.821935,9.769297,0.040080,9.803894,89.765762,85.190773

6.3879843,0.752543,9.754940,0.028116,9.783965,89.835350,85.588669

6.3904529,0.673580,9.716655,-0.012562,9.739983,90.073898,86.034477

6.3929214,0.668794,9.683155,-0.069990,9.706476,90.413147,86.048981

6.3953886,0.630509,9.690333,-0.103490,9.711375,90.610588,86.277252

6.3978577,0.606581,9.649655,-0.146560,9.669812,90.868439,86.403099

6.4003263,0.553938,9.628120,-0.184846,9.645814,91.098045,86.707207

6.4027948,0.527617,9.625728,-0.215952,9.642595,91.283287,86.862572

6.4052620,0.506082,9.623335,-0.273380,9.640510,91.624977,86.989639

6.4077306,0.439083,9.635299,-0.316451,9.650488,91.879135,87.390823

6.4102001,0.400798,9.668798,-0.361914,9.683867,92.141808,87.626297

6.4126682,0.372084,9.716655,-0.361914,9.730509,92.131538,87.807022

6.4151354,0.336192,9.757333,-0.352343,9.769479,92.066864,88.026642

6.4176040,0.319442,9.771689,-0.321236,9.782186,91.881866,88.127640

6.4200726,0.271585,9.805189,-0.268594,9.812626,91.568512,88.413422

6.4225411,0.250050,9.836296,-0.242273,9.842456,91.410484,88.543785

6.4250088,0.214158,9.874580,-0.177667,9.878500,91.030533,88.757576

6.4274774,0.204586,9.860224,-0.098704,9.862840,90.573402,88.811363

6.4299464,0.190229,9.869795,-0.069990,9.871876,90.406219,88.895821

6.4324145,0.214158,9.874580,-0.029312,9.876946,90.170036,88.757576

6.4348817,0.230907,9.865009,0.006580,9.867714,89.961792,88.659142

6.4373503,0.285942,9.838689,0.066401,9.843067,89.613480,88.335281

6.4398198,0.309871,9.829117,0.064008,9.834208,89.627075,88.194305

6.4422879,0.364905,9.829117,0.078365,9.836200,89.543518,87.873871

6.4447551,0.415155,9.795618,0.145364,9.805490,89.150574,87.573158

6.4472237,0.455833,9.788439,0.121436,9.799800,89.289993,87.333748

6.4496927,0.525225,9.769297,0.169292,9.784870,89.008652,86.922585

6.4521608,0.575474,9.742975,0.178863,9.761595,88.950104,86.619720

6.4546285,0.613759,9.733404,0.205185,9.754894,88.794754,86.391876

6.4570971,0.644866,9.733404,0.186042,9.756517,88.907387,86.209534

6.4595661,0.680758,9.738190,0.162114,9.763301,89.048592,86.001183

6.4620342,0.728615,9.721440,0.138186,9.749686,89.187904,85.713737

6.4645014,0.764507,9.742975,0.111864,9.773564,89.344200,85.513336

6.4669700,0.802792,9.728619,0.121436,9.762441,89.287277,85.282722

6.4694395,0.855434,9.735797,0.171685,9.774814,88.993607,84.978615

6.4719076,0.881755,9.728619,0.166899,9.769921,89.021172,84.821136

6.4743748,0.939183,9.707084,0.214756,9.754776,88.738503,84.473701

6.4768434,0.991825,9.709476,0.241077,9.762980,88.585052,84.167458

6.4793124,1.018146,9.704690,0.205185,9.760109,88.795395,84.010849

6.4817805,1.061217,9.726226,0.166899,9.785372,89.022713,83.773155

6.4842482,1.097109,9.735797,0.121436,9.798170,89.289871,83.570564

6.4867167,1.082752,9.762118,0.099900,9.822489,89.417259,83.670982

6.4891858,1.118645,9.790833,0.047258,9.854644,89.725235,83.481979

6.4916539,1.113859,9.793225,0.030508,9.856413,89.822655,83.511192

6.4941211,1.106681,9.807582,-0.002991,9.869823,90.017365,83.562019

6.4965897,1.106681,9.829117,-0.024526,9.891253,90.142075,83.576004

6.4990592,1.121037,9.843474,-0.053240,9.907248,90.307899,83.502785

6.5015273,1.125823,9.829117,-0.086740,9.893763,90.502327,83.465843

6.5039945,1.111466,9.872188,-0.180060,9.936191,91.038353,83.576370

6.5064631,1.116252,9.888938,-0.244666,9.954746,91.408348,83.559784

6.5089321,1.099502,9.915258,-0.259023,9.979396,91.487328,83.672325

6.5114002,1.113859,9.893723,-0.270987,9.959914,91.559082,83.576553

6.5138683,1.137787,9.886545,-0.278166,9.955688,91.601074,83.435028

6.5163364,1.149751,9.862617,-0.263809,9.932911,91.521904,83.350662

6.5188055,1.159323,9.850653,-0.223131,9.921148,91.288712,83.287743

6.5212736,1.135394,9.824331,-0.239880,9.892632,91.389465,83.407593

6.5237408,1.140180,9.812367,-0.247059,9.881477,91.432671,83.372055

6.5262094,1.154537,9.798011,-0.282951,9.869855,91.642792,83.279610

6.5286789,1.121037,9.762118,-0.318844,9.831447,91.858482,83.449112

6.5311470,1.142573,9.786046,-0.340379,9.858398,91.978630,83.340561

6.5336146,1.154537,9.774082,-0.359522,9.848598,92.092041,83.263306

6.5360827,1.190429,9.776475,-0.369093,9.855598,92.146233,83.057579

6.5385518,1.247857,9.800404,-0.385843,9.887058,92.236534,82.743736

6.5410199,1.298106,9.831510,-0.364307,9.923527,92.103882,82.478439

6.5434880,1.338784,9.819546,-0.359522,9.916908,92.077621,82.236237

6.5459561,1.400998,9.833903,-0.359522,9.939704,92.072853,81.891853

6.5484252,1.424926,9.821939,-0.337986,9.930514,91.950447,81.745354

6.5508933,1.470389,9.826724,-0.309272,9.940936,91.782814,81.489876

6.5533609,1.518246,9.781260,-0.261416,9.901841,91.512825,81.176964

6.5558290,1.491925,9.742975,-0.266202,9.860135,91.547043,81.294022

6.5582986,1.544567,9.702297,-0.292523,9.828827,91.705475,80.954643

6.5607667,1.544567,9.680762,-0.273380,9.807017,91.597382,80.934853

6.5632343,1.532603,9.644870,-0.254237,9.769187,91.491257,80.970993

6.5657024,1.554138,9.628120,-0.247059,9.755875,91.451118,80.830605

6.5681715,1.544567,9.623335,-0.244666,9.749571,91.437996,80.881668

6.5706396,1.554138,9.618548,-0.225524,9.745906,91.325958,80.821632

6.5731077,1.575674,9.620942,-0.187238,9.750915,91.100266,80.698929

6.5755758,1.563710,9.606585,-0.089133,9.733427,90.524689,80.754776

6.5780449,1.568495,9.623335,-0.014955,9.750332,90.087883,80.742836

6.5805130,1.590031,9.613763,0.052044,9.744503,89.693993,80.608803

6.5829806,1.613959,9.601799,0.035294,9.736563,89.792305,80.458389

6.5854487,1.616352,9.613763,0.071186,9.748954,89.581627,80.456177

6.5879183,1.628316,9.644870,0.049651,9.781482,89.709167,80.417282

6.5903864,1.680958,9.664013,0.047258,9.809231,89.723961,80.132698

6.5928540,1.697708,9.695119,0.042473,9.842731,89.752762,80.067665

6.5953221,1.709672,9.728619,0.020937,9.877725,89.878555,80.032822

6.5977917,1.676172,9.769297,-0.010169,9.912054,90.058784,80.264244

6.6002593,1.683351,9.812367,-0.026919,9.955750,90.154922,80.265442

6.6027274,1.668994,9.819546,-0.031705,9.960423,90.182381,80.353821

6.6051955,1.597209,9.838689,-0.043669,9.967587,90.251022,80.779068

6.6076646,1.544567,9.862617,-0.084347,9.983187,90.484093,81.099304

6.6101327,1.475175,9.867402,-0.113061,9.977702,90.649254,81.497261

6.6126003,1.429712,9.848260,-0.113061,9.952139,90.650917,81.739845

6.6150684,1.353141,9.843474,-0.144168,9.937091,90.831276,82.172844

6.6175380,1.290928,9.809975,-0.141775,9.895565,90.820908,82.503326

6.6200061,1.228714,9.814760,-0.165703,9.892761,90.959747,82.864235

6.6224737,1.161715,9.795618,-0.168096,9.865697,90.976273,83.236572

6.6249418,1.101895,9.771689,-0.172881,9.835139,91.007195,83.566277

6.6274114,1.054038,9.795618,-0.194417,9.854082,91.130493,83.858429

6.6298790,0.989432,9.774082,-0.184846,9.825773,91.077927,84.219627

6.6323471,0.929612,9.764511,-0.218345,9.811092,91.275215,84.561653

6.6348152,0.845863,9.754940,-0.230309,9.794252,91.347420,85.044205

6.6372843,0.762114,9.750154,-0.220738,9.782385,91.292976,85.530602

6.6397524,0.709472,9.731011,-0.225524,9.759446,91.324120,85.830040

6.6422200,0.630509,9.735797,-0.225524,9.758799,91.324211,86.294594

6.6446881,0.582652,9.731011,-0.215952,9.750831,91.269035,86.573456

6.6471577,0.477368,9.709476,-0.156132,9.722458,90.920143,87.185310

6.6496258,0.446261,9.697512,-0.136989,9.708741,90.808464,87.365211

6.6520934,0.388834,9.654441,-0.125025,9.663076,90.741341,87.693649

6.6545615,0.319442,9.659226,-0.089133,9.664918,90.528404,88.105850

6.6570311,0.295514,9.652048,-0.069990,9.656824,90.415268,88.246338

6.6594992,0.257228,9.642477,-0.060419,9.646096,90.358879,88.471909

6.6619668,0.204586,9.644870,-0.036491,9.647109,90.216721,88.784828

6.6644349,0.175872,9.692726,-0.024526,9.694352,90.144958,88.960495

6.6669040,0.111266,9.731011,-0.026919,9.731685,90.158485,89.344894

6.6693721,0.070588,9.752547,-0.010169,9.752808,90.059746,89.585304

6.6718397,0.037089,9.774082,0.006580,9.774155,89.961426,89.782585

6.6743078,-0.005982,9.805189,0.018544,9.805208,89.891640,90.034958

6.6767774,-0.037089,9.829117,0.071186,9.829444,89.585052,90.216194

6.6792455,-0.096909,9.853045,0.095115,9.853981,89.446945,90.563515

6.6817131,-0.111266,9.853045,0.090329,9.854088,89.474785,90.646988

6.6841812,-0.166301,9.872188,0.121436,9.874335,89.295349,90.965080

6.6866508,-0.211765,9.884152,0.128614,9.887258,89.254669,91.227356

6.6891189,-0.259621,9.905687,0.133400,9.909986,89.228706,91.501343

6.6915865,-0.285942,9.903295,0.116650,9.908109,89.325432,91.653870

6.6940546,-0.329013,9.915258,0.131007,9.921580,89.243431,91.900520

6.6965237,-0.321835,9.912866,0.169292,9.919534,89.022110,91.859535

6.6989918,-0.321835,9.869795,0.214756,9.877376,88.754166,91.867638

6.7014594,-0.297906,9.869795,0.312862,9.879245,88.185219,91.728874

6.7039280,-0.278764,9.829117,0.396610,9.841064,87.690262,91.624535

6.7063971,-0.223729,9.759726,0.477966,9.773984,87.197006,91.313202

6.7088652,-0.147159,9.697512,0.549751,9.714196,86.755753,90.869392

6.7113328,-0.077767,9.635299,0.568894,9.652392,86.621140,90.462425

6.7138009,-0.008375,9.616156,0.573679,9.633256,86.585907,90.049896

6.7162704,0.075374,9.573085,0.518644,9.587420,86.898994,89.548889

6.7187386,0.185444,9.620942,0.449252,9.633210,87.326996,88.895760

6.7212062,0.269193,9.654441,0.310469,9.663182,88.158821,88.402847

6.7236743,0.386441,9.726226,0.212363,9.736217,88.750183,87.724731

6.7261434,0.491725,9.790833,0.092722,9.803611,89.458092,87.124847

6.7286115,0.606581,9.838689,-0.029312,9.857413,90.170372,86.472031

6.7310796,0.721436,9.865009,-0.127418,9.892174,90.738029,85.817360

6.7335472,0.829113,9.888938,-0.254237,9.926890,91.467560,85.207390

6.7360168,0.958325,9.939187,-0.395414,9.993107,92.267708,84.492630

6.7384849,1.068395,9.932009,-0.471984,10.000452,92.705154,83.860252

6.7409525,1.137787,9.972687,-0.500698,10.049863,92.855736,83.491249

6.7434206,1.183251,10.025329,-0.491127,10.106854,92.785294,83.268738

6.7458901,1.173679,10.010972,-0.455234,10.089812,92.585960,83.313210

6.7483582,1.171287,10.037292,-0.414557,10.113902,92.349144,83.344055

6.7508259,1.128216,10.037292,-0.390628,10.108051,92.214760,83.586739

6.7532940,1.054038,10.001400,-0.373879,10.063736,92.129089,83.983856

6.7557631,0.972682,9.929616,-0.342772,9.983029,91.967667,84.405289

6.7582312,0.903291,9.879367,-0.402592,9.928741,92.323875,84.775856

6.7606993,0.841077,9.788439,-0.457627,9.835160,92.666924,85.088890

6.7631674,0.819542,9.716655,-0.495912,9.763758,92.911369,85.178856

6.7656364,0.809970,9.673584,-0.541376,9.722519,93.192032,85.213783

6.7681046,0.853041,9.644870,-0.584447,9.700143,93.454239,84.945625

6.7705722,0.881755,9.604192,-0.627518,9.664976,93.722664,84.754417

6.7730403,0.970290,9.597013,-0.617946,9.665712,93.665520,84.226830

6.7755098,1.068395,9.616156,-0.582054,9.692818,93.442688,83.660202

6.7779779,1.221536,9.606585,-0.546162,9.699326,93.227989,82.753380

6.7804456,1.357927,9.618548,-0.479163,9.725740,92.823959,81.964211

6.7829137,1.511068,9.618548,-0.414557,9.745340,92.438042,81.071846

6.7853827,1.671387,9.604192,-0.328415,9.754070,91.929489,80.127869

6.7878509,1.757528,9.625728,-0.290130,9.789163,91.698372,79.652542

6.7903190,1.795813,9.652048,-0.261416,9.821167,91.525253,79.460335

6.7927871,1.841277,9.640084,-0.242273,9.817343,91.414093,79.186623

6.7952561,1.838884,9.632906,-0.225524,9.809445,91.317375,79.192490

6.7977242,1.779064,9.620942,-0.218345,9.786485,91.278427,79.523453

6.8001919,1.673779,9.616156,-0.175274,9.762311,91.028755,80.126068

6.8026600,1.542174,9.606585,-0.158524,9.730874,90.933441,80.879944

6.8051295,1.396212,9.630513,-0.146560,9.732301,90.862862,81.750854

6.8075981,1.252643,9.632906,-0.146560,9.715116,90.864388,82.590958

6.8100653,1.092324,9.656834,-0.168096,9.719870,90.990921,83.546471

6.8125334,0.927219,9.709476,-0.187238,9.755445,91.099754,84.545006

6.8150024,0.809970,9.774082,-0.151346,9.808753,90.884094,85.262772

6.8174706,0.671187,9.826724,-0.086740,9.850001,90.504555,86.092644

6.8199387,0.561117,9.879367,-0.010169,9.895294,90.058884,86.749275

6.8224068,0.463011,9.896116,0.066401,9.907165,89.615982,87.321243

6.8248758,0.345763,9.898509,0.140578,9.905543,89.186836,87.999428

6.8273444,0.245264,9.936794,0.178863,9.941430,88.969093,88.586090

6.8298116,0.123230,9.917651,0.207577,9.920588,88.801064,89.288116

6.8322797,0.015553,9.905687,0.281755,9.909706,88.370735,89.910034

6.8347492,-0.049053,9.888938,0.341575,9.894957,88.021751,90.284203

6.8372178,-0.125623,9.855438,0.442074,9.866147,87.431877,90.730286

6.8396850,-0.168694,9.821939,0.480359,9.835125,87.200493,90.983971

6.8421531,-0.204586,9.778868,0.530608,9.795389,86.894814,91.198524

6.8446221,-0.216550,9.733404,0.542573,9.750920,86.810234,91.274513

6.8470907,-0.190229,9.699904,0.583251,9.719285,86.559639,91.123512

6.8495584,-0.168694,9.690333,0.607179,9.710802,86.415176,90.997330

6.8520265,-0.094516,9.685548,0.590429,9.703988,86.511742,90.559105

6.8544955,-0.039482,9.678370,0.544965,9.693781,86.777245,90.233727

6.8569641,0.025125,9.702297,0.487538,9.714572,87.123337,89.851631

6.8594313,0.082552,9.723833,0.389432,9.731978,87.706657,89.513588

6.8618994,0.132802,9.762118,0.329611,9.768584,88.066360,89.220612

6.8643689,0.183051,9.805189,0.308076,9.811735,88.200691,88.930481

6.8668375,0.242871,9.826724,0.310469,9.834626,88.190933,88.584198

6.8693047,0.262014,9.850653,0.343968,9.860138,88.000847,88.476372

6.8717728,0.281157,9.838689,0.310469,9.847601,88.193314,88.363121

6.8742418,0.314656,9.855438,0.229113,9.863121,88.668945,88.171333

6.8767104,0.355334,9.845867,0.150150,9.853421,89.126877,87.933113

6.8791780,0.412762,9.819546,-0.010169,9.828222,90.059288,87.593002

6.8816466,0.486939,9.790833,-0.182453,9.804631,91.066269,87.152786

6.8841152,0.549153,9.757333,-0.388235,9.780482,92.274948,86.778732

6.8865838,0.632902,9.764511,-0.560519,9.801042,93.278519,86.291473

6.8890510,0.659223,9.809975,-0.704088,9.857278,94.096024,86.155548

6.8915191,0.642473,9.857831,-0.768694,9.908607,94.449387,86.271088

6.8939886,0.613759,9.917651,-0.756730,9.965397,94.354988,86.458740

6.8964572,0.599402,9.987043,-0.692124,10.028926,93.957283,86.565346

6.8989244,0.544367,9.999007,-0.646660,10.034673,93.694847,86.883774

6.9013929,0.520439,9.999007,-0.620339,10.031741,93.545296,87.020500

6.9038620,0.503689,9.994222,-0.620339,10.026115,93.547287,87.114845

6.9063301,0.508475,9.975080,-0.634696,10.008177,93.636009,87.081902

6.9087977,0.570688,9.967901,-0.617946,10.003329,93.541649,86.723244

6.9112663,0.635294,9.951151,-0.639482,9.991894,93.669441,86.347122

6.9137349,0.769292,9.920045,-0.651446,9.971132,93.745987,85.565628

6.9162035,0.908076,9.896116,-0.670589,9.960292,93.860428,84.757172

6.9186707,1.089931,9.831510,-0.682553,9.915262,93.947281,83.673965

6.9211392,1.305285,9.788439,-0.701695,9.899984,94.064445,82.404442

6.9236083,1.494318,9.733404,-0.694517,9.871904,94.034256,81.271835

6.9260769,1.743171,9.683155,-0.651446,9.860351,93.788132,79.794861

6.9285440,1.960918,9.611370,-0.570090,9.825916,93.326111,78.468735

6.9310126,2.161915,9.575478,-0.495912,9.829017,92.892021,77.277290

6.9334817,2.343770,9.541979,-0.397807,9.833660,92.318451,76.199799

6.9359498,2.496910,9.494123,-0.309272,9.821841,91.804443,75.265144

6.9384174,2.606980,9.463016,-0.220738,9.818031,91.288284,74.597572

6.9408860,2.712265,9.431909,-0.177667,9.815744,91.037125,73.956741

6.9433546,2.762514,9.453444,-0.093918,9.849259,90.546356,73.710426

6.9458232,2.779263,9.455837,-0.072383,9.856085,90.420784,73.620865

6.9482903,2.786442,9.472587,-0.019741,9.873933,90.114548,73.608307

6.9507589,2.750550,9.482158,-0.010169,9.873041,90.059013,73.823807

6.9532280,2.683551,9.520443,0.028116,9.891464,89.837143,74.258316

6.9556966,2.618944,9.541979,0.052044,9.894996,89.698647,74.652222

6.9581637,2.530410,9.613763,0.068794,9.941436,89.603516,75.253807

6.9606323,2.427519,9.644870,0.131007,9.946533,89.245331,75.872650

6.9631014,2.322234,9.702297,0.198006,9.978304,88.862968,76.539543

6.9655695,2.216950,9.752547,0.229113,10.003976,88.687691,77.193153

6.9680371,2.111666,9.805189,0.243470,10.032952,88.609467,77.846291

6.9705057,1.987239,9.819546,0.300897,10.023130,88.279701,78.559235

6.9729743,1.874776,9.855438,0.253041,10.035361,88.555138,79.229446

6.9754429,1.771885,9.857831,0.233898,10.018539,88.662216,79.810242

6.9779100,1.668994,9.848260,0.209970,9.990889,88.795776,80.381416

6.9803786,1.566102,9.812367,0.152542,9.937731,89.120483,80.931793

6.9828477,1.458425,9.817153,0.092722,9.925326,89.464737,81.550003

6.9853163,1.333999,9.826724,0.018544,9.916875,89.892860,82.269234

6.9877834,1.216750,9.817153,-0.012562,9.892277,90.072762,82.934723

6.9902520,1.085145,9.809975,-0.072383,9.870075,90.420189,83.687805

6.9927211,0.972682,9.807582,-0.134596,9.856617,90.782425,84.336121

6.9951897,0.862613,9.798011,-0.187238,9.837691,91.090561,84.968674

6.9976568,0.716650,9.812367,-0.227916,9.841143,91.327065,85.822792

7.0001254,0.640080,9.814760,-0.278166,9.839543,91.619980,86.268677

7.0025940,0.534796,9.805189,-0.323629,9.825094,91.887611,86.878059

7.0050626,0.482154,9.793225,-0.318844,9.810270,91.862495,87.181412

7.0075297,0.364905,9.790833,-0.347557,9.803793,92.031639,87.865570

7.0099988,0.305085,9.731011,-0.330808,9.741411,91.946075,88.204262

7.0124674,0.254836,9.740582,-0.297308,9.748450,91.747681,88.501358

7.0149360,0.183051,9.728619,-0.268594,9.734047,91.581177,88.922066

7.0174031,0.159123,9.695119,-0.256630,9.699821,91.516060,89.059708

7.0198717,0.120838,9.666406,-0.189631,9.669021,91.123772,89.283798

7.0223408,0.094516,9.652048,-0.129811,9.653384,90.770493,89.438957

7.0248094,0.070588,9.625728,-0.098704,9.626493,90.587486,89.579842

7.0272765,0.056231,9.613763,-0.101097,9.614459,90.602478,89.664879

7.0297451,0.082552,9.611370,-0.060419,9.611914,90.360153,89.507896

7.0322137,0.080160,9.628120,-0.019741,9.628474,90.117470,89.522987

7.0346823,0.101695,9.642477,0.035294,9.643078,89.790291,89.395752

7.0371494,0.154337,9.632906,0.111864,9.634791,89.334755,89.082092

7.0396180,0.190229,9.661619,0.188435,9.665329,88.882896,88.872040

7.0420871,0.218943,9.652048,0.241077,9.657540,88.569603,88.700546

7.0445557,0.288335,9.649655,0.317647,9.659186,88.115463,88.288490

7.0470228,0.321835,9.661619,0.315254,9.672117,88.132164,88.092148

7.0494914,0.384048,9.668798,0.317647,9.681635,88.119827,87.725388

7.0519605,0.451047,9.687941,0.320040,9.703714,88.109978,87.334373

7.0544291,0.503689,9.714262,0.315254,9.732419,88.143738,87.031845

7.0568962,0.551546,9.762118,0.286541,9.781884,88.321396,86.766312

7.0593648,0.599402,9.821939,0.233898,9.842991,88.638359,86.507751

7.0618334,0.644866,9.876974,0.190828,9.899843,88.895508,86.264473

7.0643020,0.659223,9.941580,0.171685,9.964891,89.012802,86.206291

7.0667696,0.687936,9.972687,0.107079,9.996960,89.386284,86.053871

7.0692382,0.680758,10.037292,0.073579,10.060620,89.580956,86.119980

7.0717068,0.685544,10.018150,0.032901,10.041633,89.812271,86.085342

7.0741754,0.675972,10.018150,-0.019741,10.040949,90.112648,86.139832

7.0766425,0.661615,9.984651,-0.120239,10.007269,90.688438,86.208939

7.0791111,0.656830,9.943973,-0.203988,9.967730,91.172630,86.220924

7.0815802,0.680758,9.881760,-0.311665,9.910083,91.802208,86.059097

7.0840487,0.723829,9.831510,-0.354736,9.864499,92.060852,85.789291

7.0865159,0.745364,9.807582,-0.421735,9.844902,92.455185,85.653946

7.0889845,0.786042,9.795618,-0.462413,9.837978,92.694054,85.412170

7.0914531,0.829113,9.819546,-0.483948,9.866363,92.811508,85.173683

7.0939217,0.886541,9.805189,-0.500698,9.857910,92.911392,84.833626

7.0963888,0.927219,9.817153,-0.529412,9.875045,93.073166,84.604485

7.0988579,0.967897,9.814760,-0.522234,9.876187,93.031105,84.367905

7.1013265,0.996611,9.802796,-0.515055,9.866779,92.992256,84.194916

7.1037951,1.054038,9.752547,-0.483948,9.821272,92.824425,83.831512

7.1062622,1.073181,9.714262,-0.440878,9.783301,92.582870,83.695824

7.1087308,1.178465,9.687941,-0.431306,9.768879,92.530495,83.064476

7.1111999,1.240679,9.659226,-0.397807,9.746701,92.339149,82.680725

7.1136684,1.353141,9.637691,-0.390628,9.740055,92.298485,82.007858

7.1161356,1.420140,9.597013,-0.357129,9.708090,92.108200,81.582611

7.1186042,1.534996,9.585050,-0.318844,9.712418,91.881271,80.901634

7.1210728,1.616352,9.611370,-0.316451,9.751471,91.859665,80.453850

7.1235414,1.709672,9.616156,-0.299701,9.771553,91.757584,79.918633

7.1260090,1.786242,9.611370,-0.287737,9.780178,91.685905,79.471878

7.1284776,1.850848,9.597013,-0.268594,9.777548,91.574142,79.084145

7.1309462,1.898705,9.606585,-0.273380,9.796238,91.599136,78.819801

7.1334147,1.922633,9.635299,-0.225524,9.827836,91.314903,78.715378

7.1358819,1.939383,9.647263,-0.225524,9.842852,91.312897,78.633369

7.1383505,1.951347,9.635299,-0.232702,9.833661,91.355965,78.551270

7.1408195,1.925026,9.661619,-0.297308,9.856013,91.728600,78.731689

7.1432881,1.905883,9.716655,-0.354736,9.908159,92.051765,78.902550

7.1457553,1.848456,9.788439,-0.347557,9.967504,91.998253,79.306152

7.1482239,1.807778,9.826724,-0.304487,9.996264,91.745499,79.576111

7.1506925,1.740778,9.855438,-0.270987,10.011663,91.551025,79.983093

7.1531610,1.637887,9.850653,-0.232702,9.988603,91.334923,80.559685

7.1556287,1.570888,9.841082,-0.194417,9.967566,91.117622,80.930641

7.1580973,1.463211,9.848260,-0.158524,9.957627,90.912186,81.549065

7.1605659,1.336391,9.807582,-0.170489,9.899680,90.986778,82.240608

7.1630344,1.204786,9.814760,-0.177667,9.890025,91.029335,83.001808

7.1655016,1.133002,9.807582,-0.187238,9.874584,91.086487,83.410233

7.1679702,1.049253,9.783653,-0.153739,9.840957,90.895134,83.878685

7.1704392,1.018146,9.798011,-0.136989,9.851721,90.796730,84.067482

7.1729078,0.967897,9.762118,-0.115454,9.810663,90.674286,84.337730

7.1753750,0.972682,9.723833,-0.086740,9.772746,90.508545,84.287659

7.1778436,1.001396,9.709476,-0.074776,9.761266,90.438919,84.111565

7.1803122,0.989432,9.690333,-0.089133,9.741123,90.524269,84.170013

7.1827807,1.061217,9.668798,-0.081954,9.727207,90.482735,83.736465

7.1852484,1.121037,9.673584,-0.084347,9.738689,90.496246,83.389679

7.1877170,1.164108,9.690333,-0.105882,9.760579,90.621552,83.149834

7.1901855,1.223929,9.707084,-0.144168,9.785002,90.844200,82.813721

7.1926541,1.257428,9.716655,-0.148953,9.798811,90.870995,82.626358

7.1951213,1.302892,9.747761,-0.127418,9.835273,90.742302,82.386932

7.1975899,1.319642,9.740582,-0.058026,9.829739,90.338226,82.284615

7.2000594,1.307678,9.735797,0.068794,9.823466,89.598755,82.350021

7.2025275,1.305285,9.690333,0.178863,9.779485,88.952019,82.328453

7.2049947,1.257428,9.664013,0.231506,9.748223,88.639183,82.586639

7.2074633,1.188036,9.656834,0.272184,9.733444,88.397583,82.986404

7.2099328,1.142573,9.635299,0.260219,9.706295,88.463753,83.237335

7.2124004,1.063610,9.642477,0.193220,9.702884,88.858955,83.705460

7.2148681,1.013360,9.666406,0.111864,9.720021,89.340584,84.015358

7.2173367,0.963111,9.711869,0.028116,9.759548,89.834938,84.336586

7.2198057,0.922433,9.762118,-0.041276,9.805689,90.241180,84.602089

7.2222738,0.939183,9.798011,-0.108275,9.843516,90.630249,84.524673

7.2247410,0.903291,9.831510,-0.141775,9.873937,90.822708,84.750565

7.2272096,0.903291,9.857831,-0.129811,9.899981,90.751297,84.764503

7.2296791,0.867398,9.874580,-0.129811,9.913454,90.750275,84.979935

7.2321472,0.843470,9.908080,-0.146560,9.944997,90.844406,85.134171

7.2346144,0.817149,9.898509,-0.175274,9.933727,91.011002,85.280777

7.2370830,0.800399,9.884152,-0.247059,9.919584,91.427170,85.370399

7.2395525,0.814756,9.853045,-0.337986,9.892450,91.957954,85.272919

7.2420201,0.824327,9.881760,-0.474377,9.927423,92.738892,85.231476

7.2444878,0.812363,9.879367,-0.541376,9.927483,93.126068,85.299240

7.2469563,0.814756,9.920045,-0.558126,9.969083,93.209419,85.304703

7.2494254,0.814756,9.920045,-0.567697,9.969624,93.264343,85.304703

7.2518935,0.841077,9.970294,-0.562912,10.021529,93.220009,85.178040

7.2543607,0.819542,9.996614,-0.543769,10.044881,93.103165,85.313263

7.2568293,0.821935,9.989436,-0.543769,10.037932,93.105316,85.296280

7.2592988,0.843470,9.982258,-0.550947,10.032969,93.147903,85.170158

7.2617669,0.874577,9.951151,-0.584447,10.006591,93.348335,84.977348

7.2642341,0.936790,9.893723,-0.634696,9.958221,93.654274,84.591057

7.2667027,0.996611,9.829117,-0.684945,9.903228,93.965965,84.210358

7.2691722,1.085145,9.764511,-0.775873,9.855212,94.515404,83.658653

7.2716398,1.207179,9.723833,-0.802194,9.831263,94.680321,82.923141

7.2741079,1.331606,9.659226,-0.840479,9.786737,94.926598,82.150772

7.2765760,1.453640,9.608977,-0.814158,9.752352,94.788811,81.397560

7.2790451,1.613959,9.577870,-0.797408,9.745580,94.693336,80.434998

7.2815132,1.707279,9.532407,-0.761516,9.713984,94.496246,79.845840

7.2839804,1.824527,9.549157,-0.696910,9.746845,94.100204,79.183052

7.2864490,1.920240,9.539586,-0.653839,9.752872,93.844032,78.618919

7.2889185,1.989632,9.558728,-0.625125,9.783593,93.663422,78.241875

7.2913866,2.032703,9.561121,-0.608375,9.793724,93.561440,77.997566

7.2938542,2.082952,9.553943,-0.572483,9.795114,93.350601,77.700829

7.2963223,2.073381,9.601799,-0.550947,9.838546,93.210175,77.814835

7.2987919,2.099702,9.613763,-0.534198,9.854875,93.107323,77.679733

7.3012600,2.114059,9.616156,-0.464806,9.856761,92.702843,77.601082

7.3037276,2.104487,9.604192,-0.416949,9.840895,92.428291,77.640587

7.3061957,2.087738,9.599406,-0.366700,9.830652,92.137726,77.730042

7.3086648,2.044667,9.601799,-0.349950,9.823323,92.041565,77.978638

7.3111329,2.011168,9.563514,-0.287737,9.776931,91.686470,78.123985

7.3136005,1.972882,9.577870,-0.270987,9.782704,91.587334,78.360809

7.3160686,1.956133,9.537193,-0.247059,9.738868,91.453651,78.409065

7.3185382,1.853241,9.594621,-0.254237,9.775270,91.490326,79.067711

7.3210063,1.810170,9.575478,-0.232702,9.747853,91.367905,79.295006

7.3234739,1.702493,9.604192,-0.163310,9.755289,90.959213,79.947845

7.3259420,1.621137,9.597013,-0.113061,9.733629,90.665535,80.412048

7.3284116,1.523032,9.592228,-0.043669,9.712485,90.257614,80.978020

7.3308797,1.436890,9.580264,0.028116,9.687462,89.833710,81.470108

7.3333473,1.326820,9.592228,0.104686,9.684123,89.380615,82.124680

7.3358154,1.219143,9.618548,0.150150,9.696666,89.112755,82.776329

7.3382845,1.113859,9.647263,0.190828,9.713226,88.874283,83.413872

7.3407526,1.030110,9.656834,0.183649,9.713356,88.916649,83.911194

7.3432202,0.955933,9.671191,0.152542,9.719518,89.100739,84.355034

7.3456888,0.869791,9.692726,0.131007,9.732555,89.228737,84.872215

7.3481579,0.795614,9.709476,0.068794,9.742262,89.595413,85.315536

7.3506260,0.692722,9.728619,0.035294,9.753314,89.792664,85.927155

7.3530936,0.640080,9.754940,0.040080,9.776000,89.765099,86.245865

7.3555617,0.582652,9.786046,0.042473,9.803468,89.751770,86.592682

7.3580313,0.491725,9.812367,0.073579,9.824956,89.570908,87.131149

7.3604994,0.379262,9.824331,0.140578,9.832654,89.180809,87.789230

7.3629670,0.295514,9.838689,0.157328,9.844383,89.084290,88.279587

7.3654351,0.187837,9.855438,0.181256,9.858894,88.946556,88.908119

7.3679042,0.053839,9.841082,0.169292,9.842685,89.014473,89.686546

7.3703723,-0.068195,9.793225,0.109472,9.794075,89.359573,90.398972

7.3728404,-0.183051,9.731011,0.083151,9.733088,89.510513,91.077667

7.3753080,-0.302692,9.697512,0.018544,9.702252,89.890488,91.787811

7.3777776,-0.431904,9.659226,-0.034098,9.668938,90.202057,92.560226

7.3802457,-0.537189,9.616156,-0.062812,9.631353,90.373665,93.197403

7.3827133,-0.697508,9.589835,-0.101097,9.615700,90.602402,94.160027

7.3851814,-0.836291,9.582657,-0.175274,9.620677,91.043900,94.987640

7.3876510,-0.939183,9.568299,-0.184846,9.616058,91.101440,95.605949

7.3901191,-1.027717,9.585050,-0.227916,9.642683,91.354378,96.119919

7.3925867,-1.118645,9.594621,-0.268594,9.663346,91.592751,96.650139

7.3950548,-1.159323,9.587442,-0.330808,9.662946,91.961884,96.894783

7.3975239,-1.183251,9.561121,-0.409771,9.642771,92.435524,97.054855

7.3999920,-1.209572,9.565907,-0.448056,9.652481,92.660553,97.206581

7.4024596,-1.185644,9.587442,-0.471984,9.672000,92.797089,97.049767

7.4049282,-1.092324,9.616156,-0.438485,9.687925,92.594147,96.480591

7.4073973,-0.999003,9.604192,-0.438485,9.665959,92.600044,95.938408

7.4098654,-0.829113,9.630513,-0.450449,9.676628,92.668091,94.920593

7.4123330,-0.611366,9.630513,-0.448056,9.660295,92.658401,93.632385

7.4148011,-0.374477,9.640084,-0.455234,9.658090,92.701637,92.224579

7.4172707,-0.149551,9.685548,-0.457627,9.697506,92.704803,90.884613

7.4197388,0.099302,9.685548,-0.443270,9.696195,92.620239,89.412590

7.4222064,0.369691,9.723833,-0.416949,9.739787,92.453514,87.822716

7.4246745,0.620937,9.778868,-0.378664,9.805876,92.213089,86.366714

7.4271436,0.886541,9.812367,-0.347557,9.858464,92.020363,84.837379

7.4296117,1.109073,9.850653,-0.361914,9.919496,92.090912,83.576187

7.4320798,1.412962,9.869795,-0.383450,9.977793,92.202438,81.852882

7.4345479,1.673779,9.910473,-0.471984,10.061897,92.688622,80.413780

7.4370170,1.970490,9.934402,-0.627518,10.147361,93.545464,78.780991

7.4394851,2.267200,9.953544,-0.754337,10.236320,94.226082,77.168205

7.4419527,2.647658,9.936794,-0.799801,10.314536,94.447243,75.080177

7.4444208,2.975475,10.006186,-0.759123,10.466781,94.159134,73.439438

7.4468904,3.265007,10.070792,-0.586840,10.603089,93.172722,72.037018

7.4493585,3.487539,10.178470,-0.287737,10.763223,91.531891,71.086548

7.4518261,3.626323,10.240683,0.073579,10.864033,89.611946,70.500465

7.4542942,3.602395,10.269397,0.379861,10.889539,88.000938,70.669678

7.4567633,3.456432,10.245468,0.521037,10.825341,87.241219,71.357559

7.4592314,3.224329,10.125827,0.487538,10.637968,87.373215,72.337166

7.4616995,2.951547,9.999007,0.454038,10.435417,87.506310,73.554245

7.4641676,2.652444,9.848260,0.427717,10.208165,87.598633,74.926147

7.4666367,2.377269,9.704690,0.489930,10.003621,87.192795,76.235817

7.4691048,2.135594,9.568299,0.568894,9.820222,86.678947,77.418106

7.4715724,1.939383,9.463016,0.650250,9.681564,86.148903,78.417984

7.4740405,1.829313,9.372088,0.772283,9.580128,85.376198,78.955452

7.4765100,1.757528,9.336196,0.827318,9.536138,85.022980,79.338898

7.4789782,1.743171,9.271589,0.853639,9.472576,84.829666,79.351997

7.4814458,1.788635,9.223733,0.743570,9.424932,85.475014,79.025604

7.4839139,1.860420,9.192626,0.623928,9.399724,86.194061,78.558914

7.4863830,1.925026,9.190233,0.513859,9.403731,86.867561,78.169624

7.4888511,2.023132,9.180662,0.458824,9.412127,87.205833,77.572426

7.4913192,2.094916,9.183055,0.477966,9.431099,87.095016,77.149117

7.4937873,2.123630,9.204591,0.535394,9.461551,86.756111,77.008377

7.4962564,2.116452,9.259625,0.621536,9.518736,86.256149,77.125198

7.4987245,2.059024,9.288340,0.724427,9.541364,85.645630,77.500893

7.5011921,1.963311,9.340981,0.733998,9.573258,85.602715,78.130203

7.5036602,1.810170,9.417552,0.671785,9.613443,85.992920,79.119736

7.5061297,1.647458,9.465408,0.511466,9.621313,86.952736,80.126549

7.5085979,1.453640,9.530014,0.296112,9.644787,88.240646,81.327362

7.5110655,1.274178,9.601799,0.047258,9.686089,89.720451,82.440903

7.5135336,1.068395,9.654441,-0.208774,9.715621,91.231293,83.685135

7.5160031,0.824327,9.752547,-0.404985,9.795698,92.369461,85.168594

7.5184708,0.599402,9.841082,-0.605982,9.877924,93.517143,86.514526

7.5209389,0.345763,9.900902,-0.778266,9.937460,94.491798,87.999908

7.5234070,0.104088,9.963116,-0.940978,10.007994,95.395065,89.401436

7.5258760,-0.061017,9.994222,-1.110868,10.055954,96.342331,90.349800

7.5283442,-0.242871,10.046865,-1.309472,10.134751,97.423721,91.384789

7.5308118,-0.367298,10.070792,-1.486541,10.186539,98.391251,92.088745

7.5332799,-0.467797,10.125827,-1.632503,10.267242,99.148926,92.645088

7.5357494,-0.474975,10.161719,-1.716252,10.316572,99.576180,92.676147

7.5382175,-0.472582,10.154541,-1.795215,10.322831,100.015076,92.664566

7.5406852,-0.379262,10.159327,-1.821536,10.328299,100.158020,92.137939

7.5431533,-0.307478,10.104292,-1.780858,10.264634,99.991066,91.742996

7.5456228,-0.151944,10.066007,-1.759323,10.219726,99.912834,90.864799

7.5480905,-0.001196,9.979865,-1.689931,10.121935,99.610954,90.006866

7.5505586,0.214158,9.874580,-1.634896,10.011298,99.398788,88.757576

7.5530267,0.434297,9.795618,-1.594218,9.933996,99.234818,87.461403

7.5554957,0.726222,9.714262,-1.610968,9.873677,99.390236,85.724617

7.5579638,1.054038,9.654441,-1.579861,9.839471,99.239616,83.769325

7.5604315,1.412962,9.625728,-1.505684,9.844703,98.797546,81.649185

7.5628996,1.781456,9.630513,-1.386042,9.891485,98.055069,79.519867

7.5653691,2.188236,9.618548,-1.216152,9.939008,97.028412,77.183258

7.5678377,2.537588,9.659226,-1.051047,10.042147,96.007790,75.280365

7.5703049,2.879762,9.699904,-0.854836,10.154404,94.829086,73.464607

7.5727730,3.157330,9.711869,-0.732802,10.238463,94.104362,71.990654

7.5752425,3.468396,9.735797,-0.661017,10.356277,93.659546,70.391457

7.5777102,3.767499,9.781260,-0.639482,10.501240,93.491234,68.934547

7.5801783,4.033103,9.783653,-0.598804,10.599262,93.238640,67.597137

7.5826464,4.293920,9.774082,-0.615554,10.693425,93.299988,66.283302

7.5851154,4.504488,9.781260,-0.625125,10.786762,93.322319,65.272873

7.5875840,4.722236,9.778868,-0.653839,10.879028,93.445602,64.224007

7.5900512,4.853841,9.774082,-0.658624,10.932806,93.453758,63.590855

7.5925193,4.978268,9.745368,-0.730409,10.967628,93.818542,62.940498

7.5949888,5.035695,9.711869,-0.857229,10.973307,94.480476,62.592838

7.5974574,5.009374,9.647263,-0.921835,10.909321,94.847260,62.559250

7.5999246,4.971089,9.599406,-0.986441,10.855109,95.213860,62.622448

7.6023927,4.851448,9.575478,-1.043869,10.784988,95.554298,63.130791

7.6048622,4.693521,9.573085,-1.101297,10.718486,95.897400,63.882069

7.6073308,4.521238,9.592228,-1.189831,10.670901,96.401932,64.763435

7.6097980,4.365705,9.577870,-1.230509,10.597600,96.667770,65.495949

7.6122661,4.167100,9.594621,-1.268794,10.537140,96.915863,66.523903

7.6147351,3.968496,9.606585,-1.273580,10.471745,96.985641,67.554398

7.6172037,3.753142,9.608977,-1.247259,10.391062,96.893944,68.665024

7.6196709,3.504289,9.592228,-1.192224,10.281647,96.658798,69.931442

7.6221390,3.195615,9.573085,-1.118046,10.154109,96.321526,71.540352

7.6246085,2.865405,9.565907,-1.007977,10.036590,95.763947,73.324753

7.6270771,2.429911,9.582657,-0.888335,9.925771,95.134720,75.771194

7.6295443,2.025524,9.589835,-0.756730,9.830582,94.414833,78.073524

7.6320124,1.618744,9.630513,-0.613161,9.784840,93.592758,80.458626

7.6344819,1.207179,9.644870,-0.440878,9.730117,92.596992,82.865799

7.6369505,0.843470,9.618548,-0.268594,9.659196,91.593437,84.988434

7.6394176,0.460618,9.599406,-0.079561,9.610780,90.474319,87.252823

7.6418858,0.132802,9.565907,0.104686,9.567401,89.373062,89.204628

7.6443548,-0.180658,9.570692,0.260219,9.575933,88.442833,91.081398

7.6468234,-0.477368,9.544372,0.372682,9.563566,87.766678,92.863304

7.6492906,-0.752543,9.582657,0.449252,9.622654,87.324059,94.490318

7.6517596,-0.996611,9.582657,0.497109,9.647159,87.046295,95.937500

7.6542282,-1.209572,9.606585,0.509073,9.695807,86.990334,97.176384

7.6566968,-1.367498,9.606585,0.542573,9.718586,86.799606,98.101631

7.6591640,-1.520639,9.613763,0.542573,9.748393,86.809402,98.988190

7.6616321,-1.587638,9.649655,0.523430,9.793386,86.936234,99.343056

7.6641016,-1.659423,9.637691,0.451645,9.789932,87.355797,99.769424

7.6665702,-1.649851,9.635299,0.403789,9.783866,87.634682,99.716522

7.6690373,-1.539781,9.625728,0.274576,9.751971,88.386566,99.088333

7.6715059,-1.391426,9.640084,0.171685,9.741497,88.990158,98.213211

7.6739745,-1.190429,9.647263,0.071186,9.720693,89.580406,97.034485

7.6764431,-0.946361,9.637691,-0.024526,9.684074,90.145111,95.608109

7.6789107,-0.695115,9.632906,-0.132203,9.658858,90.784248,94.127335

7.6813784,-0.424726,9.620942,-0.249452,9.633543,91.483788,92.527740

7.6838479,-0.137587,9.637691,-0.388235,9.646489,92.306564,90.817894

7.6863165,0.151944,9.661619,-0.591625,9.680909,93.503677,89.099007

7.6887836,0.443869,9.683155,-0.795015,9.725871,94.688721,87.375443

7.6912522,0.726222,9.726226,-0.948156,9.799279,95.552498,85.729858

7.6937213,1.039681,9.764511,-1.077368,9.878631,96.261162,83.922302

7.6961899,1.362713,9.774082,-1.082154,9.927775,96.257828,82.062927

7.6986570,1.654637,9.742975,-1.091725,9.942598,96.303947,80.361496

7.7011256,1.927419,9.721440,-1.058226,9.967005,96.094749,78.785698

7.7035942,2.183451,9.671191,-1.027119,9.967667,95.914551,77.277710

7.7060628,2.374876,9.589835,-1.015155,9.931541,95.866745,76.090813

7.7085304,2.525624,9.546764,-1.003191,9.926021,95.800606,75.181709

7.7109990,2.626123,9.530014,-0.955334,9.931282,95.520073,74.593742

7.7134676,2.702693,9.491729,-0.857229,9.906176,94.964287,74.106125

7.7159362,2.709872,9.496515,-0.763909,9.905087,94.423203,74.073677

7.7184033,2.717050,9.508479,-0.610768,9.907905,93.534210,74.052704

7.7208719,2.681158,9.520443,-0.462413,9.901579,92.676743,74.271660

7.7233410,2.616552,9.546764,-0.330808,9.904367,91.914047,74.672905

7.7258096,2.544767,9.570692,-0.206381,9.905381,91.193855,75.110046

7.7282767,2.425126,9.637691,-0.132203,9.939004,90.762138,75.875931

7.7307453,2.281556,9.692726,-0.060419,9.957815,90.347641,76.754356

7.7332139,2.094916,9.762118,0.037687,9.984441,89.783730,77.888222

7.7356825,1.908276,9.829117,0.145364,10.013700,89.168236,79.012978

7.7381501,1.719243,9.879367,0.253041,10.031037,88.554512,80.128044

7.7406187,1.503889,9.958329,0.320040,10.076330,88.179893,81.412186

7.7430873,1.283749,10.010972,0.442074,10.102623,87.492035,82.692596

7.7455559,1.130609,10.101899,0.528216,10.178686,87.025337,83.614006

7.7480230,0.972682,10.152148,0.595215,10.215993,86.659882,84.527168

7.7504916,0.884148,10.214361,0.640678,10.272553,86.424255,85.052849

7.7529607,0.850648,10.271790,0.719641,10.332045,86.006035,85.265907

7.7554293,0.812363,10.295717,0.836890,10.361569,85.367249,85.488533

7.7578964,0.821935,10.281361,0.930210,10.356024,84.846573,85.429260

7.7603650,0.869791,10.271790,1.006780,10.357596,84.421921,85.159874

7.7628336,0.917647,10.192826,0.966102,10.279550,84.607216,84.855598

7.7653022,0.975075,10.113863,0.832104,10.194773,85.318275,84.493149

7.7677698,1.044467,10.049257,0.652642,10.124447,86.304031,84.066284

7.7702384,1.082752,9.967901,0.408574,10.034857,87.666527,83.800613

7.7727070,1.144966,9.905687,0.085543,9.972006,89.508492,83.406631

7.7751756,1.255036,9.879367,-0.208774,9.960953,91.200966,82.760155

7.7776427,1.384248,9.812367,-0.515055,9.922902,92.975311,81.970169

7.7801113,1.554138,9.752547,-0.773480,9.905847,94.478394,80.945641

7.7825804,1.726422,9.666406,-1.019941,9.872193,95.930069,79.873734

7.7850490,1.994418,9.594621,-1.213759,9.874597,97.060501,78.257248

7.7875161,2.202593,9.539586,-1.376471,9.886849,98.002853,76.998825

7.7899847,2.439483,9.448658,-1.486541,9.871069,98.661453,75.523338

7.7924533,2.662015,9.372088,-1.618146,9.876273,99.429962,74.143517

7.7949219,2.831906,9.295518,-1.663610,9.858699,99.714882,73.056496

7.7973895,2.975475,9.214162,-1.709074,9.832353,100.010078,72.103477

7.7998581,3.102294,9.159127,-1.723431,9.822630,100.105141,71.288208

7.8023267,3.174079,9.082557,-1.694717,9.769323,99.989822,70.737022

7.8047953,3.238685,9.039486,-1.699502,9.751394,100.036934,70.288307

7.8072624,3.248257,9.017950,-1.646860,9.725572,99.749039,70.191032

7.8097310,3.233900,9.008379,-1.596611,9.703513,99.470482,70.252472

7.8122001,3.193222,9.017950,-1.558326,9.692702,99.251770,70.501137

7.8146687,3.121437,9.022736,-1.479363,9.661348,98.807877,70.916817

7.8171358,3.066402,9.044271,-1.395614,9.651394,98.314247,71.271103

7.8196044,2.908476,9.065806,-1.287937,9.607646,97.703880,72.212814

7.8220730,2.752943,9.116056,-1.156332,9.592616,96.923492,73.196297

7.8245416,2.621337,9.171091,-1.017548,9.592483,96.089256,74.048683

7.8270092,2.422733,9.242876,-0.857229,9.593499,95.126511,75.312126

7.8294778,2.195415,9.269197,-0.716052,9.552517,94.298897,76.675011

7.8319464,1.968097,9.338589,-0.594018,9.562191,93.561600,78.099136

7.8344150,1.779064,9.360124,-0.467199,9.539144,92.807297,79.238251

7.8368821,1.573281,9.396016,-0.400200,9.535223,92.405449,80.494499

7.8393507,1.408176,9.446265,-0.309272,9.555655,91.854721,81.521225

7.8418198,1.216750,9.491729,-0.227916,9.572113,91.364365,82.695061

7.8442883,1.042074,9.518050,-0.194417,9.576899,91.163216,83.751915

7.8467555,0.908076,9.553943,-0.208774,9.599272,91.246216,84.570503

7.8492241,0.805185,9.613763,-0.218345,9.649893,91.296524,85.212463

7.8516932,0.695115,9.654441,-0.220738,9.681950,91.306396,85.881836

7.8541613,0.654437,9.697512,-0.244666,9.722648,91.441978,86.139244

7.8566289,0.606581,9.731011,-0.261416,9.753403,91.535858,86.433098

7.8590975,0.580260,9.762118,-0.270987,9.783102,91.587265,86.598343

7.8615661,0.544367,9.771689,-0.304487,9.791576,91.782005,86.811432

7.8640347,0.522832,9.776475,-0.299701,9.795032,91.753365,86.938820

7.8665018,0.494118,9.786046,-0.292523,9.802878,91.709984,87.109474

7.8689704,0.489332,9.809975,-0.302094,9.826817,91.761650,87.144394

7.8714395,0.482154,9.809975,-0.311665,9.826760,91.817497,87.186218

7.8739080,0.465404,9.776475,-0.275773,9.791430,91.613930,87.274521

7.8763752,0.422333,9.750154,-0.302094,9.763971,91.772995,87.519753

7.8788438,0.431904,9.745368,-0.347557,9.761124,92.040520,87.462372

7.8813128,0.369691,9.745368,-0.421735,9.761493,92.476173,87.827522

7.8837810,0.350549,9.735797,-0.505484,9.755211,92.970215,87.937889

7.8862486,0.336192,9.728619,-0.577268,9.751527,93.393768,88.020821

7.8887172,0.331406,9.745368,-0.608375,9.769961,93.570114,88.052322

7.8911858,0.352941,9.704690,-0.641875,9.732295,93.781578,87.917175

7.8936543,0.439083,9.675977,-0.699302,9.711145,94.129463,87.401779

7.8961215,0.439083,9.659226,-0.720838,9.696033,94.263504,87.397278

7.8985901,0.518046,9.652048,-0.763909,9.696079,94.518745,86.927757

7.9010592,0.606581,9.664013,-0.759123,9.712742,94.482666,86.408432

7.9035277,0.709472,9.690333,-0.675374,9.739715,93.976212,85.812592

7.9059949,0.793221,9.683155,-0.536590,9.730396,93.161224,85.316925

7.9084635,0.886541,9.707084,-0.357129,9.754024,92.098267,84.781693

7.9109325,0.958325,9.721440,-0.213559,9.770895,91.252396,84.370056

7.9134011,1.049253,9.707084,-0.125025,9.764427,90.733643,83.830765

7.9158683,1.140180,9.704690,-0.105882,9.772013,90.620827,83.299179

7.9183369,1.223929,9.683155,-0.132203,9.761095,90.776031,82.796143

7.9208055,1.324427,9.666406,-0.215952,9.759106,91.267960,82.198288

7.9232740,1.420140,9.623335,-0.326022,9.733020,91.919563,81.605301

7.9257412,1.532603,9.601799,-0.467199,9.734562,92.750900,80.931168

7.9282098,1.640280,9.565907,-0.553340,9.721279,93.263069,80.270035

7.9306788,1.769492,9.592228,-0.622732,9.773932,93.652992,79.548065

7.9331474,1.934597,9.589835,-0.692124,9.807479,94.046783,78.594559

7.9356146,2.051845,9.616156,-0.749552,9.861154,94.359291,77.955154

7.9380832,2.164308,9.678370,-0.771087,9.947343,94.445854,77.394722

7.9405527,2.288735,9.735797,-0.797408,10.032941,94.558617,76.770859

7.9430208,2.367698,9.798011,-0.835693,10.114613,94.739319,76.414864

7.9454880,2.439483,9.821939,-0.881157,10.158641,94.976067,76.051643

7.9479566,2.449054,9.836296,-0.972084,10.183101,95.477829,76.018700

7.9504251,2.446661,9.843474,-1.063011,10.198536,95.982910,76.041618

7.9528937,2.434697,9.805189,-1.101297,10.162791,96.221107,76.055092

7.9553609,2.374876,9.788439,-1.130010,10.135606,96.401169,76.362381

7.9578300,2.334198,9.745368,-1.113261,10.082660,96.339149,76.530342

7.9602990,2.264807,9.697512,-1.127618,10.022106,96.460205,76.854469

7.9627671,2.164308,9.690333,-1.017548,9.981091,95.851334,77.409790

7.9652343,2.018346,9.673584,-0.962513,9.928664,95.563156,78.214592

7.9677029,1.855634,9.666406,-0.866800,9.880998,95.032677,79.133278

7.9701724,1.690529,9.647263,-0.773480,9.824756,94.515434,80.060738

7.9726405,1.503889,9.625728,-0.620339,9.762230,93.643303,81.120102

7.9751077,1.307678,9.613763,-0.522234,9.716336,93.081017,82.254082

7.9775763,1.159323,9.616156,-0.481556,9.697751,92.846275,83.125603

7.9800453,1.025324,9.599406,-0.445663,9.664290,92.643097,83.903282

7.9825134,0.893719,9.623335,-0.464806,9.675916,92.753403,84.694160

7.9849811,0.848256,9.618548,-0.450449,9.666381,92.670921,84.960152

7.9874492,0.824327,9.654441,-0.414557,9.698433,92.449837,85.119736

7.9899187,0.874577,9.666406,-0.318844,9.711124,91.881523,84.830193

7.9923868,0.946361,9.687941,-0.127418,9.734887,90.749954,84.420792

7.9948540,1.039681,9.735797,0.152542,9.792341,89.107430,83.904510

7.9973226,1.125823,9.745368,0.425324,9.819398,87.517471,83.410179

7.9997921,1.264607,9.759726,0.710070,9.866898,85.873146,82.617088

8.0022602,1.360320,9.711869,0.879961,9.846076,84.872536,82.026581

8.0047274,1.467997,9.714262,0.968495,9.872177,84.370026,81.406616

8.0071955,1.542174,9.678370,0.927817,9.844287,84.591888,80.946465

8.0096645,1.594816,9.671191,0.839283,9.837671,85.105972,80.635979

8.0121336,1.668994,9.680762,0.674178,9.846685,86.074028,80.218185

8.0146008,1.731207,9.680762,0.482752,9.846181,87.189697,79.860992

8.0170698,1.781456,9.647263,0.284148,9.814479,88.340950,79.537659

8.0195379,1.874776,9.661619,0.111864,9.842468,89.348793,79.018585

8.0220070,1.929811,9.690333,-0.053240,9.880768,90.308723,78.737007

8.0244741,1.999203,9.695119,-0.163310,9.900445,90.945152,78.348511

8.0269423,2.039881,9.714262,-0.244666,9.929142,91.411980,78.140862

8.0294113,2.032703,9.754940,-0.357129,9.970871,92.052612,78.229324

8.0318804,2.047060,9.795618,-0.467199,10.018126,92.672974,78.196365

8.0343475,2.023132,9.812367,-0.560519,10.034431,93.202179,78.349907

8.0368156,2.020739,9.826724,-0.653839,10.053626,93.728867,78.379845

8.0392847,2.027917,9.821939,-0.751945,10.057254,94.287796,78.334175

8.0417528,2.027917,9.850653,-0.830908,10.091493,94.722931,78.367249

8.0442209,2.075774,9.841082,-0.878764,10.095937,94.993423,78.089226

8.0466890,2.106880,9.865009,-0.960120,10.133074,95.436996,77.944397

8.0491581,2.152344,9.886545,-0.986441,10.166092,95.568314,77.718102

8.0516262,2.197808,9.903295,-1.048655,10.198298,95.901955,77.487320

8.0540934,2.291128,9.908080,-1.070190,10.225685,96.007408,76.979866

8.0565624,2.350948,9.915258,-1.082154,10.247457,96.061867,76.661255

8.0590315,2.389233,9.903295,-1.058226,10.242242,95.930367,76.436218

8.0614996,2.410769,9.898509,-1.029512,10.239736,95.770317,76.312172

8.0639668,2.432304,9.853045,-0.945763,10.192796,95.323982,76.133308

8.0664358,2.429911,9.845867,-0.852443,10.177045,94.804802,76.136711

8.0689039,2.437090,9.776475,-0.771087,10.105120,94.376297,76.002533

8.0713730,2.492125,9.716655,-0.661017,10.052911,93.770134,75.614868

8.0738401,2.549552,9.599406,-0.605982,9.950680,93.491394,75.125931

8.0763092,2.623730,9.482158,-0.548555,9.853740,93.191284,74.533142

8.0787773,2.621337,9.367303,-0.558126,9.743166,93.283920,74.366302

8.0812464,2.602195,9.245269,-0.505484,9.617792,93.012688,74.280090

8.0837135,2.535196,9.175877,-0.424128,9.529103,92.551003,74.555099

8.0861816,2.458625,9.135199,-0.354736,9.466918,92.147438,74.936493

8.0886507,2.324627,9.061021,-0.345165,9.360829,92.113167,75.610962

8.0911198,2.188236,9.037093,-0.388235,9.306350,92.390915,76.388420

8.0935869,2.049453,8.998808,-0.388235,9.237398,92.408775,77.169891

8.0960550,1.893919,8.967701,-0.378664,9.173329,92.365776,78.074745

8.0985241,1.752743,8.958130,-0.337986,9.134245,92.120544,78.929398

8.1009922,1.594816,8.946166,-0.294915,9.091991,91.858818,79.892166

8.1034603,1.456033,8.915059,-0.232702,9.036176,91.475662,80.724190

8.1059284,1.331606,8.910274,-0.201595,9.011481,91.281868,81.500275

8.1083975,1.219143,8.953344,-0.172881,9.037620,91.096085,82.245941

8.1108656,1.128216,8.950952,-0.146560,9.022964,90.930702,82.816078

8.1133327,1.063610,9.034700,-0.172881,9.098734,91.088722,83.285759

8.1158018,1.025324,9.092128,-0.208774,9.152140,91.307114,83.565903

8.1182709,1.032503,9.187840,-0.151346,9.246912,90.937813,83.588165

8.1207390,0.991825,9.345767,-0.110668,9.398900,90.674652,83.942123

8.1232061,0.999003,9.508479,-0.053240,9.560964,90.319054,84.002251

8.1256752,1.018146,9.656834,-0.012562,9.710366,90.074127,83.981384

8.1281433,1.121037,9.771689,-0.000598,9.835784,90.003487,83.455467

8.1306124,1.221536,9.920045,0.016152,9.994984,89.907410,82.980042

8.1330795,1.336391,10.061221,-0.110668,10.150190,90.624710,82.433922

8.1355486,1.501496,10.185648,-0.261416,10.299042,91.454468,81.614258

8.1380167,1.700101,10.302896,-0.328415,10.447386,91.801399,80.629951

8.1404858,1.915455,10.377073,-0.383450,10.559340,92.081085,79.541763

8.1429529,2.161915,10.446465,-0.455234,10.677535,92.443535,78.307594

8.1454210,2.441875,10.525429,-0.469591,10.815170,92.488548,76.938576

8.1478901,2.693122,10.594820,-0.404985,10.939247,92.121651,75.737907

8.1503592,2.963511,10.659427,-0.345165,11.069098,91.786926,74.463120

8.1528263,3.193222,10.700105,-0.273380,11.169765,91.402451,73.383369

8.1552944,3.425326,10.716854,-0.247059,11.253659,91.257950,72.275055

8.1577635,3.693322,10.702497,-0.251845,11.324642,91.274284,70.960976

8.1602316,3.930211,10.604392,-0.282951,11.312814,91.433205,69.664230

8.1626997,4.138387,10.525429,-0.314058,11.314129,91.590622,68.536247

8.1651678,4.348955,10.448858,-0.342772,11.322966,91.734741,67.402267

8.1676369,4.506881,10.350753,-0.314058,11.293746,91.593491,66.470932

8.1701050,4.631308,10.238290,-0.330808,11.241932,91.686241,65.660301

8.1725721,4.643272,10.133006,-0.366700,11.152231,91.884300,65.381210

8.1750412,4.643272,10.044471,-0.342772,11.071082,91.774216,65.190247

8.1775103,4.595416,9.920045,-0.333201,10.937832,91.745682,65.144279

8.1799784,4.506881,9.814760,-0.249452,10.802950,91.323135,65.335686

8.1824455,4.442275,9.754940,-0.146560,10.719801,90.783371,65.516083

8.1849146,4.332205,9.606585,-0.067597,10.538455,90.367516,65.726433

8.1873837,4.181458,9.489336,0.004187,10.369769,89.976860,66.219406

8.1898518,3.994817,9.405587,0.135793,10.219690,89.238670,66.987701

8.1923189,3.793820,9.364909,0.267398,10.107725,88.484077,67.946625

8.1947880,3.578466,9.388838,0.363111,10.054231,87.930298,69.136131

8.1972561,3.327220,9.460623,0.470788,10.039692,87.312263,70.623665

8.1997252,3.035295,9.563514,0.552144,10.048815,86.850227,72.391449

8.2021923,2.740978,9.640084,0.611964,10.040851,86.505798,74.127884

8.2046604,2.482553,9.762118,0.686142,10.096178,86.103142,75.731857

8.2071295,2.171487,9.893723,0.710070,10.154078,85.990059,77.620934

8.2095985,1.917847,10.049257,0.805783,10.262309,85.496574,79.195328

8.2120657,1.676172,10.223933,0.856032,10.395727,85.276649,80.689415

8.2145338,1.465604,10.386645,0.863211,10.524996,85.295586,81.968323

8.2170029,1.307678,10.532607,0.894317,10.651087,85.183495,82.922646

8.2194710,1.168894,10.659427,0.769891,10.750926,85.893448,83.742050

8.2219391,1.089931,10.795817,0.707677,10.873750,86.268478,84.235031

8.2244072,1.020539,10.860424,0.645464,10.927348,86.613640,84.631760

8.2268763,0.946361,10.896317,0.588036,10.953132,86.922508,85.036232

8.2293444,0.888934,10.946566,0.566501,10.997201,87.047203,85.357391

8.2318115,0.831506,10.996815,0.588036,11.043873,86.947815,85.675903

8.2342806,0.742971,11.037493,0.626321,11.080187,86.759560,86.149033

8.2367496,0.704686,11.032707,0.643071,11.073877,86.670906,86.345345

8.2392178,0.687936,11.013564,0.583251,11.050431,86.974480,86.425797

8.2416849,0.692722,10.996815,0.427717,11.026910,87.777023,86.395531

8.2441540,0.771685,10.927423,0.243470,10.957342,88.726799,85.960526

8.2466230,0.903291,10.846066,0.023330,10.883640,89.877182,85.239235

8.2490911,1.104288,10.747961,-0.144168,10.805504,90.764465,84.133789

8.2515583,1.331606,10.640285,-0.247059,10.726130,91.319832,82.866661

8.2540274,1.659423,10.523036,-0.282951,10.656830,91.521446,81.038582

8.2564955,1.960918,10.348360,-0.242273,10.535295,91.317711,79.270195

8.2589645,2.291128,10.228719,-0.206381,10.484204,91.127937,77.374725

8.2614317,2.583052,10.106685,-0.148953,10.432613,90.818077,75.663322

8.2639008,2.872584,10.056436,-0.072383,10.458914,90.396530,74.058205

8.2663689,3.154937,9.989436,-0.010169,10.475809,90.055618,72.472458

8.2688379,3.432504,9.958329,0.066401,10.533509,89.638817,70.981606

8.2713051,3.633501,9.948758,0.116650,10.592155,89.368996,69.936714

8.2737732,3.848855,9.934402,0.135793,10.654786,89.269760,68.822289

8.2762423,4.066602,9.989436,0.064008,10.785647,89.659973,67.849243

8.2787113,4.267599,10.018150,-0.024526,10.889277,90.129051,66.926636

8.2811785,4.451847,10.022936,-0.153739,10.968219,90.803131,66.050842

8.2836466,4.636094,10.049257,-0.208774,11.069079,91.080719,65.234375

8.2861156,4.798806,10.099506,-0.302094,11.185698,91.547585,64.585152

8.2885838,4.966303,10.147363,-0.402592,11.304655,92.040901,63.922035

8.2910509,5.040481,10.233504,-0.560519,11.421263,92.813019,63.777592

8.2935200,5.069195,10.372288,-0.885943,11.578687,94.388275,63.954090

8.2959890,5.076373,10.601999,-1.448256,11.843538,97.023842,64.414307

8.2984571,5.014160,10.889137,-2.295315,12.205883,100.838997,65.275177

8.3009243,4.968696,11.197812,-3.228516,12.668948,104.763924,66.072166

8.3033934,4.868197,11.523235,-3.865007,13.092845,107.169525,67.097504

8.3058624,4.786842,11.824731,-3.920042,13.345592,107.081581,67.961105

8.3083305,4.619344,12.085549,-3.364907,13.368673,104.578186,69.082123

8.3107977,4.394419,12.358331,-2.393421,13.332956,100.341316,70.425453

8.3132668,3.958925,12.667005,-1.266401,13.331536,95.450912,72.643974

8.3157349,3.387040,13.061821,-0.196810,13.495255,90.835609,75.462906

8.3182039,2.800799,13.418351,0.607179,13.720980,87.463730,78.209984

8.3206711,2.310270,13.655241,1.157528,13.897583,85.222305,80.397308

8.3231401,1.951347,13.770096,1.502094,13.988552,83.835678,81.934372

8.3256083,1.700101,13.734203,1.667199,13.939090,83.130630,82.943489

8.3280773,1.580459,13.619349,1.746162,13.821490,82.742043,83.380707

8.3305445,1.573281,13.478171,1.803590,13.689019,82.429008,83.342102

8.3330126,1.563710,13.191033,1.779662,13.402080,82.369156,83.239517

8.3354826,1.496711,12.899109,1.760519,13.104448,82.279243,83.381447

8.3379507,1.460818,12.482758,1.755734,12.689989,82.047287,83.325218

8.3404179,1.453640,11.997015,1.791626,12.216848,81.567039,83.091331

8.3428860,1.379462,11.482557,1.992623,11.735527,80.224152,83.149574

8.3453550,1.365105,10.889137,2.176870,11.188190,78.780479,82.854454

8.3478231,1.326820,10.396216,2.353939,10.741638,77.341385,82.726929

8.3502903,1.188036,10.020543,2.519044,10.400399,75.983192,83.238571

8.3527594,1.073181,9.690333,2.777469,10.137486,74.098763,83.680382

8.3552284,0.963111,9.336196,2.822932,9.801076,73.260384,84.110268

8.3576965,0.757328,8.994022,2.755934,9.437222,73.020584,85.186844

8.3601637,0.460618,8.716455,2.784647,9.162042,72.306015,86.975037

8.3626328,0.144766,8.615956,2.806183,9.062578,71.962158,89.037407

8.3651018,-0.290728,8.797811,2.839682,9.249313,72.120537,91.892677

8.3675699,-0.735793,9.139984,2.913860,9.621397,72.371017,94.602539

8.3700371,-1.202393,9.556335,3.026322,10.095936,72.557022,97.171364

8.3725061,-1.637887,10.049257,3.110071,10.646257,73.014595,99.257004

8.3749752,-2.102095,10.556536,3.177070,11.222879,73.555367,101.261848

8.3774433,-2.441875,11.032707,3.308676,11.774154,73.679398,102.480118

8.3799105,-2.683551,11.437094,3.442674,12.241755,73.666740,103.204773

8.3823795,-2.851048,11.738589,3.485744,12.572723,73.904060,103.651558

8.3848486,-2.961118,11.973086,3.526422,12.828042,74.043976,103.891335

8.3873167,-2.975475,12.064013,3.478566,12.903267,74.360245,103.854942

8.3897839,-2.970689,12.152548,3.346961,12.950350,75.022148,103.736565

8.3922520,-2.886940,12.164512,3.200999,12.905663,75.639000,103.350716

8.3947220,-2.736193,12.157333,3.007180,12.819152,76.432838,102.683937

8.3971901,-2.532803,12.083157,2.739184,12.645983,77.490288,101.838615

8.3996572,-2.238486,11.961123,2.502294,12.423395,78.380112,100.600105

8.4021254,-1.958525,11.757732,2.241477,12.128656,79.350044,99.457123

8.4045944,-1.613959,11.559128,1.935195,11.830607,80.585518,97.948608

8.4070625,-1.281357,11.353345,1.660021,11.545388,81.733238,96.439247

8.4095306,-0.912862,11.145169,1.406381,11.270582,82.831749,94.682442

8.4119987,-0.561117,10.901102,1.195813,10.980840,83.748093,92.946609

8.4144678,-0.144766,10.668998,1.037887,10.720340,84.444221,90.777390

8.4169359,0.230907,10.424930,0.796212,10.457841,85.633537,88.731133

8.4194031,0.585045,10.238290,0.521037,10.268220,87.091408,86.729515

8.4218721,0.848256,10.089935,0.281755,10.129448,88.406090,85.194473

8.4243412,1.190429,9.920045,-0.000598,9.991217,90.003433,83.157089

8.4268093,1.491925,9.809975,-0.115454,9.923446,90.666618,81.352577

8.4292774,1.877169,9.683155,-0.208774,9.865640,91.212570,79.028770

8.4317455,2.262414,9.592228,-0.239880,9.858341,91.394302,76.728813

8.4342146,2.714657,9.503694,-0.239880,9.886713,91.390297,74.058418

8.4366827,3.164508,9.410374,-0.254237,9.931458,91.466888,71.413307

8.4391508,3.633501,9.372088,-0.314058,10.056690,91.789566,68.808990

8.4416189,4.078566,9.324232,-0.474377,10.188279,92.668716,66.374672

8.4440880,4.447061,9.309875,-0.720838,10.342617,93.996521,64.467529

8.4465561,4.805984,9.288340,-0.936192,10.499866,95.115417,62.641994

8.4490232,5.093123,9.331410,-1.115654,10.689238,95.990967,61.374104

8.4514914,5.301299,9.407980,-1.232902,10.868942,96.513275,60.599194

8.4539614,5.341977,9.539586,-1.240080,11.003554,96.470879,60.752048

8.4564295,5.413761,9.628120,-1.302294,11.122296,96.724106,60.651543

8.4588966,5.490332,9.656834,-1.405185,11.196997,97.209435,60.379879

8.4613647,5.449654,9.845867,-1.311865,11.329643,96.649223,61.035622

8.4638348,5.428118,9.996614,-1.151546,11.433409,95.780495,61.498230

8.4663019,5.404190,10.056436,-0.991227,11.459481,94.962196,61.747028

8.4687700,5.430511,10.099506,-0.842872,11.497866,94.203941,61.733051

8.4712381,5.449654,10.200005,-0.778266,11.590708,93.850060,61.885323

8.4737072,5.550152,10.259826,-0.706481,11.686202,93.465889,61.588398

8.4761753,5.633901,10.271790,-0.706481,11.736678,93.450966,61.255985

8.4786434,5.832505,10.264611,-0.869193,11.837899,94.210709,60.394115

8.4811115,6.145965,10.173684,-1.051047,11.932369,95.053375,58.863651

8.4835806,6.593423,9.977472,-1.213759,12.020665,95.795189,56.542034

8.4860487,6.964310,9.723833,-1.347757,12.036237,96.429176,54.389370

8.4885168,7.450053,9.412766,-1.460220,12.092796,96.935463,51.638950

8.4909849,7.909475,9.034700,-1.479363,12.098517,97.023499,48.799309

8.4934540,8.356933,8.704491,-1.409971,12.148848,96.664650,46.167007

8.4959221,8.909675,8.410173,-1.323829,12.323385,96.166847,43.348057

8.4983902,9.409775,7.993822,-1.443470,12.430956,96.668175,40.348671

8.5008583,9.962517,7.627720,-1.498505,12.636430,96.810509,37.439182

8.5033274,10.211370,7.338189,-1.500898,12.663877,96.806580,35.702126

8.5057955,10.814362,6.943373,-1.503291,12.939116,96.671799,32.702538

8.5082626,11.252249,6.653841,-1.424328,13.149732,96.218254,30.597286

8.5107307,11.343176,6.445666,-1.546362,13.137940,96.759499,29.607044

8.5132008,11.563315,6.160920,-1.682752,13.209802,97.318604,28.048635

8.5156689,11.759527,5.845068,-1.809572,13.256163,97.845825,26.429653

8.5181360,11.994023,5.641677,-2.087140,13.417946,98.948601,25.191076

8.5206041,12.027523,5.550750,-2.393421,13.461078,100.241821,24.773514

8.5230742,11.919846,5.486144,-2.575275,13.372081,101.103737,24.714390

8.5255413,11.836097,5.455038,-2.718845,13.313254,101.783897,24.744101

8.5280094,11.800205,5.464609,-2.838486,13.310289,102.313171,24.848589

8.5304775,11.623136,5.560322,-2.953341,13.218801,102.909973,25.565706

8.5329466,11.223535,5.718248,-3.077768,12.966832,103.730598,26.998264

8.5354147,10.768898,5.876174,-3.250051,12.690997,104.838249,28.619600

8.5378828,10.213763,6.026922,-3.436692,12.347291,106.160896,30.543943

8.5403509,9.605987,6.141778,-3.532404,11.936259,107.213852,32.593620

8.5428200,8.967103,6.239883,-3.594618,11.500711,108.213341,34.832664

8.5452881,8.469396,6.316453,-3.568297,11.151726,108.661537,36.715481

8.5477562,8.048259,6.416952,-3.518048,10.877886,108.869446,38.565685

8.5502243,7.686943,6.517451,-3.388835,10.632519,108.585754,40.293278

8.5526934,7.359126,6.634699,-3.156731,10.399082,107.671471,42.036579

8.5551615,7.052845,6.744769,-2.883950,10.176035,106.463593,43.720901

8.5576296,6.792027,6.852446,-2.618346,9.997169,105.183350,45.253712

8.5600977,6.583851,6.919445,-2.381457,9.843635,104.000397,46.423664

8.5625668,6.392426,6.998408,-2.139782,9.716969,102.721413,47.591068

8.5650349,6.198607,7.127620,-1.819143,9.619511,100.900833,48.987820

8.5675020,6.045466,7.199405,-1.536790,9.525798,99.284065,49.979233

8.5699701,5.904290,7.249654,-1.275973,9.436431,97.771210,50.839817

8.5724401,5.808577,7.304689,-1.115654,9.399081,96.816978,51.508820

8.5749083,5.787042,7.347760,-1.017548,9.408232,96.208977,51.776291

8.5773754,5.851648,7.338189,-0.955334,9.434165,95.811920,51.430302

8.5798435,6.000003,7.326225,-0.859622,9.508552,95.186913,50.683346

8.5823135,6.047859,7.252047,-0.699302,9.468781,94.235352,50.173515

8.5847807,6.110073,7.173084,-0.500698,9.435933,93.041710,49.575459

8.5872488,6.236892,7.048657,-0.349950,9.418326,92.129387,48.496506

8.5897169,6.327819,6.881160,-0.232702,9.351247,91.425926,47.398788

8.5921860,6.406783,6.682556,-0.172881,9.259228,91.069847,46.206959

8.5946550,6.454639,6.448059,-0.065204,9.123819,90.409477,44.970779

8.5971222,6.552745,6.206384,-0.074776,9.025700,90.474686,43.445023

8.5995903,6.504889,5.991030,-0.050847,8.843562,90.329430,42.645203

8.6020594,6.509674,5.787640,-0.084347,8.710898,90.554802,41.639748

8.6045275,6.598208,5.644071,-0.153739,8.684212,91.014374,40.543495

8.6069956,6.658029,5.526822,-0.242273,8.656431,91.603783,39.696026

8.6094637,6.729814,5.467001,-0.311665,8.676153,92.058624,39.088875

8.6119328,6.748956,5.438288,-0.326022,8.673504,92.154160,38.861759

8.6144009,6.772884,5.452645,-0.318844,8.700860,92.100075,38.836491

8.6168690,6.744171,5.531608,-0.254237,8.726233,91.669540,39.358799

8.6193361,6.698707,5.615356,-0.225524,8.743898,91.477943,39.972252

8.6218061,6.646065,5.742176,-0.177667,8.784892,91.158836,40.826897

8.6242743,6.555138,5.909674,-0.168096,8.827363,91.091125,42.035706

8.6267424,6.442675,6.081957,-0.170489,8.861565,91.102386,43.350296

8.6292095,6.327819,6.306882,-0.192024,8.936159,91.231293,44.905056

8.6316786,6.208179,6.515058,-0.247059,9.002693,91.572556,46.381683

8.6341476,6.124430,6.735198,-0.268594,9.107341,91.690018,47.719219

8.6366158,5.985646,6.969694,-0.292523,9.191854,91.823692,49.343674

8.6390829,5.894719,7.163513,-0.306879,9.282123,91.894623,50.549683

8.6415520,5.815755,7.350153,-0.328415,9.378466,92.006790,51.647446

8.6440210,5.796613,7.520043,-0.364307,9.501815,92.197304,52.374184

8.6464882,5.789434,7.680363,-0.404985,9.626502,92.411133,52.991123

8.6489563,5.765506,7.790432,-0.409771,9.700506,92.421021,53.495773

8.6514254,5.712864,7.843074,-0.419342,9.712182,92.474625,53.930557

8.6538944,5.736792,7.895717,-0.462413,9.770720,92.712616,53.998962

8.6563616,5.818148,7.912466,-0.519841,9.835050,93.029831,53.672428

8.6588297,5.937789,7.905288,-0.538983,9.901587,93.120384,53.089195

8.6612988,6.035895,7.902895,-0.601197,9.962390,93.459709,52.628948

8.6637669,6.069395,7.864610,-0.672981,9.957035,93.875488,52.341373

8.6662350,6.296713,7.807182,-0.739980,10.057249,94.219452,51.112843

8.6687031,6.567102,7.723433,-0.778266,10.167789,94.389839,49.626060

8.6711721,6.753742,7.658827,-0.771087,10.240373,94.318390,48.593361

8.6736403,6.902097,7.615756,-0.862014,10.314153,94.794136,47.814243

8.6761084,7.012167,7.539186,-0.900300,10.335393,94.997276,47.074223

8.6785755,7.177271,7.493722,-0.931406,10.418091,95.129250,46.235672

8.6810455,7.268199,7.488937,-0.950549,10.479239,95.204330,45.856968

8.6835136,7.284948,7.476973,-0.986441,10.485641,95.398109,45.745266

8.6859818,7.378269,7.474580,-0.931406,10.543989,95.067841,45.371521

8.6884489,7.402197,7.450652,-0.878764,10.539306,94.782860,45.186916

8.6909189,7.440482,7.438687,-0.790230,10.550797,94.295341,44.993088

8.6933870,7.502696,7.414759,-0.701695,10.571730,93.805786,44.662254

8.6958551,7.500303,7.402795,-0.617946,10.556409,93.355873,44.625130

8.6983223,7.502696,7.359724,-0.558126,10.524613,93.039848,44.448853

8.7007914,7.464410,7.311868,-0.464806,10.459296,92.547035,44.408527

8.7032604,7.411768,7.304689,-0.457627,10.416439,92.517998,44.583118

8.7057276,7.339983,7.321439,-0.373879,10.373940,92.065399,44.927532

8.7081957,7.292127,7.345367,-0.275773,10.354013,91.526222,45.208401

8.7106647,7.304091,7.369296,-0.141775,10.376722,90.782845,45.254604

8.7131338,7.284948,7.386045,-0.000598,10.374206,90.003304,45.394817

8.7156010,7.186843,7.390831,0.135793,10.309875,89.245331,45.801697

8.7180691,7.098309,7.378867,0.209970,10.240984,88.825188,46.110218

8.7205381,6.952346,7.366903,0.257827,10.132761,88.541962,46.658306

8.7230072,6.844669,7.345367,0.276969,10.043936,88.419823,47.020855

8.7254744,6.720243,7.287940,0.257827,9.916763,88.510193,47.320705

8.7279425,6.612566,7.249654,0.233898,9.815204,88.634499,47.631386

8.7304115,6.492924,7.204191,0.171685,9.699892,88.985832,47.972595

8.7328796,6.406783,7.177870,0.097508,9.621756,89.419350,48.248714

8.7353477,6.291927,7.149156,0.059222,9.523775,89.643715,48.649193

8.7378149,6.222535,7.137192,0.016152,9.468882,89.902267,48.916573

8.7402849,6.117251,7.120442,-0.026919,9.387341,90.164299,49.333755

8.7427530,6.050252,7.137192,-0.046062,9.356665,90.282059,49.711800

8.7452211,5.992824,7.175477,-0.084347,9.349253,90.516914,50.132000

8.7476883,5.923432,7.232904,-0.067597,9.349146,90.414268,50.684025

8.7501583,5.810970,7.283154,-0.079561,9.317620,90.489243,51.414879

8.7526264,5.712864,7.350153,-0.132203,9.310158,90.813622,52.144070

8.7550945,5.653043,7.424330,-0.120239,9.332312,90.738228,52.713581

8.7575617,5.569295,7.505686,-0.129811,9.347151,90.795731,53.424213

8.7600307,5.437689,7.570292,-0.129811,9.321730,90.797905,54.310574

8.7624998,5.385047,7.639685,-0.144168,9.347957,90.883675,54.820824

8.7649670,5.255835,7.709076,-0.153739,9.331522,90.944000,55.714916

8.7674351,5.121837,7.797611,-0.192024,9.331282,91.179146,56.701214

8.7699041,4.980660,7.845467,-0.270987,9.296868,91.670303,57.590755

8.7723732,4.868197,7.914859,-0.345165,9.298574,92.127319,58.405548

8.7748404,4.731807,7.955537,-0.424128,9.266092,92.623459,59.256599

8.7773085,4.660022,7.986644,-0.469591,9.258661,92.907242,59.737427

8.7797775,4.602594,8.063214,-0.524626,9.299169,93.234146,60.281677

8.7822466,4.545166,8.142178,-0.562912,9.341866,93.454559,60.828655

8.7847137,4.523631,8.192427,-0.598804,9.377508,93.661133,61.093739

8.7871828,4.487739,8.225926,-0.584447,9.388676,93.568977,61.384869

8.7896509,4.444668,8.254640,-0.574876,9.392797,93.508919,61.699986

8.7921190,4.413561,8.242676,-0.617946,9.370330,93.781235,61.833065

8.7945871,4.332205,8.221141,-0.570090,9.310219,93.510574,62.212601

8.7970562,4.298706,8.182856,-0.605982,9.263111,93.750908,62.285671

8.7995243,4.226921,8.149356,-0.641875,9.202764,93.999512,62.585060

8.8019924,4.128816,8.168498,-0.565304,9.170117,93.534317,63.185413

8.8044605,3.932604,8.194819,-0.474377,9.101950,92.987503,64.364159

8.8069277,3.767499,8.249854,-0.361914,9.076625,92.285172,65.455025

8.8093977,3.576073,8.278568,-0.148953,9.019156,90.946297,66.637222

8.8118658,3.363112,8.297710,0.064008,8.953581,89.590393,67.936989

8.8143339,3.181258,8.300103,0.317647,8.894549,87.953384,69.029205

8.8168011,2.999403,8.245069,0.535394,8.790007,86.507988,70.009552

8.8192701,2.796013,8.166105,0.714856,8.661061,85.265610,71.099182

8.8217392,2.616552,8.053643,0.889532,8.514622,84.003304,72.001518

8.8242073,2.439483,7.912466,0.973281,8.336994,83.295868,72.865013

8.8266754,2.207379,7.797611,1.023530,8.168406,82.801720,74.194031

8.8291435,2.032703,7.711469,0.968495,8.033469,83.075722,75.233032

8.8316126,1.810170,7.687541,0.923031,7.951540,83.333961,76.750038

8.8340797,1.578067,7.716255,0.853639,7.922094,83.814125,78.441711

8.8365488,1.391426,7.850253,0.820140,8.014685,84.126663,79.948936

8.8390169,1.156930,7.989037,0.757927,8.107876,84.636139,81.760010

8.8414860,0.853041,8.120642,0.738784,8.198677,84.830055,84.003296

8.8439531,0.553938,8.304889,0.748355,8.356916,84.862328,86.184006

8.8464222,0.187837,8.489137,0.789033,8.527796,84.691124,88.732437

8.8488903,-0.123230,8.682955,0.863211,8.726627,84.323196,90.813103

8.8513584,-0.415155,8.934201,1.109671,9.012418,82.927399,92.660507

8.8538265,-0.673580,9.149555,1.442274,9.286992,81.065781,94.210449

8.8562956,-0.848256,9.343374,1.753341,9.544233,79.414253,95.187485

8.8587637,-0.984646,9.472587,2.093122,9.750927,77.604492,95.934410

8.8612318,-1.068395,9.518050,2.418545,9.878468,75.828209,96.404610

8.8636999,-1.147358,9.544372,2.655435,9.973104,74.558189,96.854813

8.8661680,-1.226322,9.553943,2.739184,10.014231,74.125626,97.314354

8.8686371,-1.307678,9.527621,2.684149,9.984500,74.405251,97.815086

8.8711052,-1.412962,9.467801,2.569293,9.911457,74.975945,98.488098

8.8735733,-1.463211,9.431909,2.397010,9.841115,75.902603,98.818237

8.8760414,-1.523032,9.396016,2.284547,9.788968,76.503860,99.207184

8.8785095,-1.513460,9.345767,2.162513,9.711354,77.133575,99.198662

8.8809786,-1.441676,9.271589,2.212763,9.640389,76.730568,98.838364

8.8834467,-1.310070,9.151948,2.341975,9.537257,75.785034,98.146355

8.8859148,-1.140180,9.053843,2.564508,9.478859,74.302986,97.177658

8.8883829,-1.001396,8.946166,2.789433,9.424310,72.783524,96.386864

8.8908520,-0.946361,8.848060,2.940181,9.371682,71.715820,96.104973

8.8933191,-0.939183,8.709276,3.059822,9.278797,70.745491,96.154823

8.8957882,-0.939183,8.582457,3.112464,9.177585,70.175659,96.245056

8.8982563,-0.900898,8.450851,3.167499,9.069816,69.559456,96.084999

8.9007254,-0.805185,8.314461,3.177070,8.937134,69.176460,95.531357

8.9031925,-0.774078,8.240283,3.203391,8.874863,68.841385,95.366516

8.9056616,-0.721436,8.156534,3.155535,8.775358,68.924957,95.054588

8.9081297,-0.649651,8.149356,3.138785,8.757056,68.996239,94.557877

8.9105978,-0.635294,8.178069,3.169892,8.793897,68.871246,94.441971

8.9130659,-0.654437,8.283354,3.241677,8.919121,68.687622,94.517342

8.9155350,-0.695115,8.395817,3.385246,9.079252,68.108192,94.732895

8.9180031,-0.769292,8.460423,3.485744,9.182646,67.691010,95.195526

8.9204712,-0.793221,8.544171,3.629314,9.316865,67.073975,95.304001

8.9229393,-0.776471,8.599206,3.708277,9.396838,66.757080,95.159569

8.9254074,-0.848256,8.627920,3.780061,9.457769,66.441956,95.614998

8.9278765,-0.924826,8.601599,3.801597,9.449600,66.277809,96.136749

8.9303446,-1.051646,8.568100,3.689134,9.387651,66.860115,96.997467

8.9328127,-1.255036,8.501101,3.547958,9.296872,67.565369,98.398033

8.9352808,-1.515853,8.438888,3.387639,9.218933,68.440620,100.183281

8.9377499,-1.843670,8.438888,3.196213,9.210304,69.694496,102.323944

8.9402180,-2.185843,8.414959,2.992823,9.194914,71.004929,104.561165

8.9426861,-2.518446,8.426923,2.839682,9.242261,72.106438,106.639153

8.9451542,-2.934797,8.474779,2.715255,9.370567,73.156158,109.100853

8.9476223,-3.343970,8.558528,2.705684,9.578688,73.592369,111.341476

8.9500914,-3.714857,8.611171,2.734398,9.768795,73.745079,113.335358

8.9525585,-4.059423,8.654242,2.803790,9.961729,73.652870,115.129745

8.9550276,-4.375276,8.690134,2.801397,10.124687,73.937263,116.724167

8.9574957,-4.691129,8.730812,2.830111,10.307439,74.063622,118.249458

8.9599648,-4.973482,8.745169,2.803790,10.443885,74.427208,119.627403

8.9624319,-5.210371,8.771489,2.770290,10.571731,74.808441,120.710831

8.9649010,-5.423333,8.826525,2.708077,10.707649,75.350189,121.568054

8.9673691,-5.676972,8.824132,2.760719,10.849648,75.258858,122.755051

8.9698372,-5.839684,8.790632,2.827718,10.925800,75.000473,123.596390

8.9723053,-5.959325,8.788239,2.851646,10.994480,74.967270,124.141281

8.9747744,-6.074180,8.776276,2.901896,11.060726,74.789841,124.687637

8.9772425,-6.088537,8.714062,2.911467,11.021878,74.683342,124.942101

8.9797106,-6.043074,8.659027,2.976073,10.970620,74.259750,124.910912

8.9821787,-5.940182,8.575278,3.023930,10.861184,73.834297,124.710739

8.9846468,-5.772685,8.522636,3.076572,10.743580,73.359619,124.111183

8.9871159,-5.554938,8.441280,3.126821,10.577786,72.806328,123.347641

8.9895840,-5.265406,8.362317,3.184249,10.382306,72.139557,122.196930

8.9920521,-4.961518,8.307282,3.191427,10.188857,71.746178,120.847725

8.9945202,-4.633701,8.249854,3.145964,9.971377,71.609039,119.321648

8.9969893,-4.246064,8.221141,3.050251,9.742702,71.755020,117.315498

8.9994574,-3.875176,8.180463,2.942574,9.518178,71.991806,115.347435

9.0019255,-3.513860,8.161320,2.808576,9.318930,72.459251,113.294319

9.0043936,-3.159722,8.125427,2.684149,9.122009,72.887444,111.249489

9.0068617,-2.841477,8.003393,2.574079,8.874355,73.138565,109.546593

9.0093307,-2.499303,7.845467,2.511866,8.608562,73.035034,107.670135

9.0117979,-2.003989,7.689934,2.456831,8.317877,72.820419,104.606361

9.0142670,-1.369891,7.543972,2.406581,8.036152,72.574265,100.292053

9.0167351,-0.640080,7.417152,2.160121,7.751772,73.819664,94.932251

9.0192041,0.017946,7.295118,1.734198,7.498434,76.627869,89.859055

9.0216713,0.472582,7.261619,1.238884,7.381685,80.338203,86.276474

9.0241404,0.932004,7.194620,0.844068,7.303673,83.363632,82.618904

9.0266085,1.398605,7.139585,0.731606,7.311977,84.257622,78.916428

9.0290766,1.941776,7.118049,0.913460,7.434482,82.942345,74.741211

9.0315447,2.609373,7.106085,1.344168,7.688437,79.931244,69.836632

9.0340137,3.528217,7.197012,1.901696,8.237824,76.652924,63.884357

9.0364819,4.590630,7.639685,2.858825,9.360105,72.216171,58.998653

9.0389500,5.485546,9.209376,4.586443,11.659301,66.835518,59.219944

9.0414181,5.990431,12.248260,6.572485,15.136140,64.264030,63.937469

9.0438862,6.370890,15.823138,7.740183,18.731535,65.592941,68.068741

9.0463552,7.081559,18.577276,7.677969,21.312317,68.883850,69.133423

9.0488234,7.768299,20.455643,6.847660,22.927500,72.622513,69.205070

9.0512915,8.244471,21.836302,5.536393,23.988478,76.656189,69.315567

9.0537596,8.122437,22.932215,4.339982,24.712263,79.885223,70.496201

9.0562296,7.217949,23.774488,3.399603,25.077528,82.208778,73.111679

9.0586967,5.648258,24.327230,3.198606,25.178326,82.701530,76.928749

9.0611649,3.535395,24.133411,3.748955,24.677425,81.261887,81.665802

9.0636330,1.233500,22.860430,4.251448,23.285095,79.479790,86.911438

9.0661011,-0.960718,20.927029,4.591228,21.446280,77.638420,92.628487

9.0685701,-3.126223,18.687347,4.883153,19.566181,75.547867,99.497116

9.0710382,-5.100301,16.438093,5.074579,17.943670,73.572250,107.237717

9.0735064,-6.756135,14.389837,5.055436,16.681433,72.358650,115.150398

9.0759745,-7.995617,12.513865,4.631907,15.555746,72.676781,122.576164

9.0784435,-8.840283,10.977672,3.859025,14.613417,74.688057,128.844376

9.0809107,-9.158528,9.664013,2.849254,13.615801,77.920959,133.461670

9.0833797,-8.976674,8.505886,1.904089,12.512247,81.246834,136.542542

9.0858479,-8.526823,7.491330,1.231705,11.416822,83.806580,138.698746

9.0883169,-7.895118,6.723233,0.934995,10.411963,84.847893,139.583328

9.0907841,-7.074380,6.192027,1.037887,9.458608,83.700287,138.805161

9.0932531,-6.093323,5.883353,1.408774,8.586446,80.556808,136.004379

9.0957222,-5.045267,5.861817,1.727020,7.924532,77.412323,130.718582

9.0981894,-3.994817,6.153742,1.731805,7.538319,76.718613,122.990379

9.1006575,-2.997010,6.713662,1.466202,7.497005,78.721878,114.056213

9.1031265,-2.025524,7.398009,0.999602,7.735147,82.574989,105.311943

9.1055956,-1.082752,8.118249,0.430110,8.201422,86.993843,97.596855

9.1080627,-0.037089,8.692527,-0.254237,8.696322,91.675285,90.244461

9.1105309,0.915255,9.139984,-1.144367,9.256704,97.101402,84.281609

9.1129990,1.963311,9.513265,-1.859821,9.890183,100.838844,78.339226

9.1154690,2.949154,9.898509,-2.570490,10.643561,103.975471,73.409142

9.1179361,3.954139,10.197612,-3.139982,11.379191,106.018082,68.806122

9.1204042,4.872983,10.477572,-3.666403,12.123036,107.603775,65.057472

9.1228724,5.720043,10.688141,-4.006183,12.767331,108.287415,61.845352

9.1253405,6.648458,10.939387,-4.099504,13.441656,107.757263,58.710686

9.1278095,7.715657,11.157134,-3.927220,14.122184,106.146164,55.334408

9.1302776,8.825927,11.255239,-3.604189,14.750172,104.143364,51.897820

9.1327457,9.895518,11.183455,-3.297908,15.292715,102.453796,48.496456

9.1352148,10.919646,11.063814,-2.962913,15.824839,100.791275,45.375744

9.1376829,11.778669,10.812568,-2.783451,16.229488,99.875381,42.551270

9.1401501,12.386446,10.391431,-2.850450,16.417398,99.998581,39.994484

9.1426191,12.786048,10.015758,-3.034697,16.522947,100.583344,38.072838

9.1450882,12.994224,9.611370,-3.259623,16.487978,101.402313,36.489029

9.1475563,13.118650,9.221340,-3.544369,16.422382,102.463959,35.104088

9.1500235,13.056437,8.845667,-3.781258,16.217714,103.482948,34.117432

9.1524925,12.817155,8.474779,-3.912863,15.855972,104.286774,33.472916

9.1549616,12.434303,8.125427,-3.855435,15.345971,104.550568,33.163357

9.1574287,11.927025,7.725826,-3.606582,14.661165,104.240677,32.933475

9.1598969,11.268998,7.383653,-3.161517,13.838490,103.206322,33.233547

9.1623659,10.570294,7.077371,-2.596811,12.983210,101.537720,33.804401

9.1648350,9.876375,6.852446,-2.005784,12.186959,99.473091,34.753761

9.1673021,9.165708,6.751947,-1.508076,11.483609,97.546120,36.377335

9.1697702,8.459825,6.761518,-1.094118,10.885030,95.768875,38.633610

9.1722383,7.787441,6.960123,-0.823729,10.476931,94.509430,41.789150

9.1747084,7.141379,7.249654,-0.629911,10.195763,93.542084,45.431072

9.1771755,6.593423,7.646863,-0.553340,10.112068,93.136833,49.230808

9.1796436,6.076573,8.132606,-0.493520,10.164033,92.783119,53.233410

9.1821117,5.612366,8.644670,-0.481556,10.317986,92.675049,57.007217

9.1845808,5.198407,9.187840,-0.462413,10.566630,92.508156,60.499165

9.1870489,4.784449,9.723833,-0.428913,10.845637,92.266472,63.801281

9.1895170,4.396811,10.252646,-0.349950,11.161146,91.796768,66.788094

9.1919851,4.040281,10.714461,-0.244666,11.453532,91.224022,69.339211

9.1944542,3.619144,11.102098,-0.184846,11.678569,90.906898,71.944687

9.1969223,3.238685,11.405988,-0.108275,11.857376,90.523201,74.148315

9.1993895,2.755335,11.664412,-0.022134,11.985444,90.105812,76.709373

9.2018585,2.307878,11.819945,0.097508,12.043542,89.536118,78.951836

9.2043276,1.731207,11.884552,0.157328,12.011012,89.249481,81.712090

9.2067957,1.154537,11.877374,0.229113,11.935555,88.900093,84.448021

9.2092628,0.568295,11.776875,0.296112,11.794295,88.561363,87.237328

9.2117319,-0.075374,11.592628,0.296112,11.596653,88.536835,90.372528

9.2142010,-0.726222,11.405988,0.296112,11.432920,88.515877,93.643120

9.2166681,-1.343570,11.145169,0.248255,11.228607,88.733131,96.873940

9.2191362,-1.970490,10.898709,0.269791,11.078695,88.604584,100.248383

9.2216053,-2.563910,10.668998,0.351147,10.978363,88.167061,103.512741

9.2240744,-3.068795,10.434502,0.525823,10.889114,87.232178,106.388649

9.2265415,-3.499503,10.235897,0.676571,10.838720,86.421181,108.874809

9.2290096,-3.879962,10.063614,0.796212,10.815007,85.778008,111.083824

9.2314777,-4.121637,9.920045,0.903889,10.780176,85.190254,112.562187

9.2339478,-4.279563,9.817153,0.958924,10.752241,84.883354,113.553696

9.2364149,-4.289135,9.719048,0.951745,10.665945,84.880562,113.812454

9.2388830,-4.200600,9.668798,0.915853,10.581564,85.034737,113.482491

9.2413511,-3.966104,9.597013,0.894317,10.422689,85.077690,112.453568

9.2438202,-3.643072,9.568299,0.889532,10.276945,85.034492,110.844032

9.2462883,-3.221936,9.539586,0.853639,10.105111,85.154106,108.662079

9.2487564,-2.743371,9.563514,0.803390,9.981599,85.383430,106.005966

9.2512245,-2.231307,9.587442,0.750748,9.872254,85.638657,103.101357

9.2536936,-1.673779,9.647263,0.698106,9.816239,85.921829,99.842712

9.2561617,-1.089931,9.716655,0.645464,9.798876,86.223122,96.400192

9.2586288,-0.508475,9.788439,0.556929,9.817447,86.747948,92.973640

9.2610979,0.022732,9.843474,0.410967,9.852076,87.609283,89.867683

9.2635670,0.551546,9.869795,0.293719,9.889556,88.298073,86.801514

9.2660351,1.054038,9.836296,0.135793,9.893541,89.213570,83.883636

9.2685022,1.518246,9.807582,-0.014955,9.924412,90.086342,81.200272

9.2709713,1.889133,9.721440,-0.225524,9.905861,91.304550,79.002968

9.2734404,2.207379,9.625728,-0.486341,9.887551,92.819359,77.084206

9.2759075,2.446661,9.527621,-0.857229,9.874035,94.980484,75.597832

9.2783756,2.611766,9.491729,-1.170689,9.913867,96.781654,74.615105

9.2808447,2.755335,9.458230,-1.407578,9.951446,98.131447,73.758308

9.2833138,2.800799,9.443872,-1.546362,9.971080,98.921707,73.481056

9.2857809,2.839084,9.415159,-1.596611,9.962670,99.221947,73.219635

9.2882490,2.827120,9.374481,-1.546362,9.912857,98.974541,73.217941

9.2907171,2.798406,9.326625,-1.390828,9.836229,98.128777,73.298393

9.2931871,2.673979,9.269197,-1.180260,9.719114,96.975044,73.908195

9.2956543,2.513660,9.245269,-0.974477,9.630322,95.807610,74.789749

9.2981224,2.322234,9.228518,-0.783051,9.548376,94.704041,75.875526

9.3005905,2.118845,9.226126,-0.605982,9.485680,93.662773,77.065903

9.3030605,1.877169,9.228518,-0.467199,9.429082,92.840096,78.502350

9.3055277,1.649851,9.283554,-0.335593,9.434989,92.038383,79.922745

9.3079958,1.405783,9.309875,-0.280558,9.419592,91.706779,81.413254

9.3104639,1.154537,9.360124,-0.254237,9.434484,91.544174,82.968292

9.3129330,0.900898,9.405587,-0.318844,9.454012,91.932709,84.528717

9.3154011,0.635294,9.546764,-0.340379,9.573932,92.037445,86.192833

9.3178682,0.429512,9.587442,-0.381057,9.604620,92.273766,87.434898

9.3203373,0.173480,9.728619,-0.294915,9.734633,91.736069,88.978416

9.3228064,-0.039482,9.857831,-0.187238,9.859688,91.088127,90.229477

9.3252745,-0.245264,10.001400,-0.069990,10.004652,90.400833,91.404785

9.3277416,-0.396012,10.111470,0.123829,10.119980,89.298912,92.242821

9.3302107,-0.541974,10.214361,0.312862,10.233514,88.248070,93.037270

9.3326797,-0.585045,10.255039,0.444467,10.281325,87.522301,93.265160

9.3351469,-0.611366,10.252646,0.525823,10.284309,87.069267,93.412514

9.3376150,-0.601795,10.247861,0.604786,10.283316,86.628357,93.360779

9.3400841,-0.551546,10.185648,0.655035,10.221580,86.325768,93.099503

9.3425531,-0.472582,10.073185,0.650250,10.105207,86.310585,92.686058

9.3450203,-0.443869,9.941580,0.645464,9.972395,86.288933,92.556427

9.3474884,-0.369691,9.814760,0.607179,9.840470,86.462479,92.157135

9.3499565,-0.340977,9.685548,0.561715,9.707812,86.682892,92.016251

9.3524265,-0.379262,9.585050,0.523430,9.606820,86.876678,92.265907

9.3548937,-0.386441,9.539586,0.439681,9.557528,87.363258,92.319740

9.3573618,-0.453440,9.518050,0.308076,9.533824,88.148224,92.727509

9.3598299,-0.539581,9.534800,0.200399,9.552157,88.797882,93.238960

9.3622999,-0.577867,9.558728,0.083151,9.576541,89.502510,93.459572

9.3647671,-0.616152,9.606585,-0.007777,9.626328,90.046288,93.669838

9.3672352,-0.659223,9.668798,-0.000598,9.691246,90.003540,93.900414

9.3697033,-0.640080,9.690333,0.040080,9.711533,89.763535,93.779091

9.3721724,-0.637687,9.731011,0.095115,9.752347,89.441185,93.749313

9.3746405,-0.630509,9.783653,0.164507,9.805329,89.038689,93.687332

9.3771086,-0.635294,9.829117,0.190828,9.851475,88.890083,93.698105

9.3795767,-0.613759,9.920045,0.183649,9.940710,88.941429,93.540413

9.3820457,-0.563510,9.965508,0.188435,9.983206,88.918465,93.236404

9.3845139,-0.494118,10.013365,0.212363,10.027798,88.786530,92.825020

9.3869810,-0.367298,10.056436,0.298505,10.067567,88.300926,92.091721

9.3894501,-0.192622,10.089935,0.322433,10.096923,88.170021,91.093674

9.3919191,0.061017,10.082756,0.401396,10.090927,87.720291,89.653275

9.3943872,0.331406,10.056436,0.470788,10.072903,87.321129,88.112526

9.3968544,0.601795,10.037292,0.559322,10.070861,86.816231,86.568886

9.3993235,0.860220,9.979865,0.635893,10.037033,86.367615,85.073540

9.4017925,1.118645,9.917651,0.745962,10.008378,85.725563,83.564621

9.4042597,1.331606,9.888938,0.805783,10.010672,85.383133,82.330902

9.4067278,1.515853,9.802796,0.841675,9.954951,85.149940,81.209702

9.4091969,1.719243,9.731011,0.793819,9.913552,85.407173,79.980568

9.4116659,1.834099,9.685548,0.753141,9.886403,85.631004,79.277184

9.4141331,1.915455,9.673584,0.698106,9.886078,85.950684,78.799812

9.4166012,1.941776,9.664013,0.686142,9.881013,86.018150,78.638924

9.4190693,1.893919,9.656834,0.705284,9.866042,85.900650,78.903862

9.4215393,1.781456,9.690333,0.688535,9.876752,86.002518,79.583138

9.4240065,1.570888,9.800404,0.714856,9.951212,85.880547,80.893631

9.4264746,1.381855,9.860224,0.726820,9.983076,85.824875,82.022278

9.4289427,1.144966,9.917651,0.762712,10.012616,85.631256,83.414513

9.4314117,0.876970,9.970294,0.808176,10.041364,85.383575,84.973297

9.4338799,0.652044,9.972687,0.791426,10.025269,85.472183,86.259155

9.4363480,0.441476,9.979865,0.757927,10.018336,85.661201,87.467079

9.4388161,0.168694,9.948758,0.690928,9.974148,86.027832,89.028572

9.4412851,-0.120838,9.929616,0.580858,9.947325,86.652405,90.697220

9.4437532,-0.321835,9.943973,0.425324,9.958266,87.552116,91.853722

9.4462204,-0.530010,9.946365,0.308076,9.965240,88.228416,93.050224

9.4486895,-0.702293,9.943973,0.209970,9.970953,88.793365,94.039810

9.4511585,-0.853041,9.903295,0.152542,9.941136,89.120789,94.923141

9.4536276,-0.951147,9.888938,0.133400,9.935470,89.230690,95.493973

9.4560938,-1.020539,9.836296,0.128614,9.889933,89.254875,95.923378

9.4585629,-1.066002,9.752547,0.178863,9.812264,88.955521,96.237953

9.4610319,-1.128216,9.666406,0.253041,9.735312,88.510597,96.657166

9.4634991,-1.183251,9.597013,0.324826,9.675137,88.076035,97.028732

9.4659672,-1.209572,9.532407,0.355932,9.615432,87.878609,97.231644

9.4684362,-1.252643,9.530014,0.458824,9.622931,87.267090,97.488136

9.4709053,-1.324427,9.525229,0.501895,9.629952,87.012505,97.915894

9.4733725,-1.393819,9.534800,0.544965,9.651535,86.763123,98.316727

9.4758406,-1.415355,9.568299,0.573679,9.689411,86.605713,98.414246

9.4783087,-1.444068,9.635299,0.559322,9.758953,86.714363,98.523636

9.4807787,-1.460818,9.726226,0.525823,9.849363,86.939728,98.541618

9.4832458,-1.432104,9.848260,0.430110,9.961132,87.525269,98.273788

9.4857140,-1.348356,9.975080,0.296112,10.070152,88.314980,97.698151

9.4881821,-1.207179,10.116256,0.181256,10.189640,88.980751,96.804962

9.4906511,-0.963111,10.195219,0.075972,10.240891,89.574944,95.396545

9.4931202,-0.628116,10.259826,0.001795,10.279035,89.989998,93.503326

9.4955873,-0.252443,10.305289,-0.048455,10.308495,90.269318,91.403259

9.4980555,0.139980,10.302896,-0.108275,10.304416,90.602058,89.221603

9.5005245,0.532403,10.283753,-0.158524,10.298746,90.881966,87.036369

9.5029936,0.908076,10.247861,-0.187238,10.289719,91.042648,84.936172

9.5054598,1.257428,10.168898,-0.232702,10.248988,91.301003,82.950912

9.5079288,1.609173,10.085149,-0.242273,10.215594,91.358955,80.934380

9.5103979,1.917847,9.977472,-0.194417,10.161983,91.096237,79.119438

9.5128670,2.214557,9.845867,-0.194417,10.093719,91.103653,77.323845

9.5153332,2.449054,9.726226,-0.218345,10.032199,91.247108,75.866783

9.5178022,2.669194,9.618548,-0.340379,9.987839,91.952980,74.490410

9.5202713,2.913262,9.573085,-0.524626,10.020293,93.001175,73.074051

9.5227385,3.085545,9.503694,-0.711267,10.017319,94.071640,72.013046

9.5252066,3.265007,9.472587,-0.902692,10.060070,95.148087,70.981979

9.5276756,3.413362,9.427123,-1.022334,10.078038,95.822197,70.095749

9.5301447,3.516253,9.419945,-1.137189,10.118922,96.452667,69.530533

9.5326128,3.712464,9.372088,-1.185045,10.150014,96.704750,68.390533

9.5350800,3.789035,9.331410,-1.187438,10.141105,96.724281,67.900307

9.5375481,3.839284,9.302696,-1.201795,10.135313,96.809868,67.573738

9.5400181,3.889533,9.314660,-1.197010,10.164851,96.762825,67.335991

9.5424862,3.884748,9.293125,-1.161117,10.139113,96.575859,67.313911

9.5449533,3.848855,9.293125,-1.010369,10.109239,95.736015,67.502541

9.5474215,3.772285,9.293125,-0.828515,10.063734,94.722321,67.906677

9.5498915,3.681358,9.314660,-0.625125,10.035241,93.571434,68.434982

9.5523596,3.540181,9.372088,-0.424128,10.027403,92.424156,69.306610

9.5548267,3.439682,9.412766,-0.182453,10.023217,91.043015,69.926315

9.5572948,3.308077,9.465408,0.013759,10.026840,89.921379,70.735924

9.5597639,3.147758,9.553943,0.159721,10.060404,89.090324,71.764389

9.5622330,3.008975,9.616156,0.281755,10.079869,88.398247,72.624664

9.5646992,2.863012,9.661619,0.401396,10.084882,87.718925,73.493950

9.5671682,2.697907,9.721440,0.518644,10.102182,87.057152,74.489525

9.5696373,2.544767,9.786046,0.614357,10.130151,86.523087,75.423615

9.5721064,2.384448,9.848260,0.717249,10.158162,85.951088,76.389542

9.5745726,2.207379,9.869795,0.779462,10.143615,85.592896,77.393265

9.5770416,1.984846,9.900902,0.834497,10.132318,85.275772,78.664108

9.5795107,1.769492,9.960723,0.894317,10.156127,84.948166,79.926666

9.5819788,1.537389,9.946365,0.908674,10.105416,84.841019,81.213448

9.5844460,1.281357,9.915258,0.851247,10.033885,85.133339,82.636436

9.5869150,1.034896,9.884152,0.791426,9.969646,85.446869,84.022766

9.5893841,0.786042,9.888938,0.698106,9.944662,85.974579,85.455284

9.5918522,0.532403,9.838689,0.590429,9.870758,86.570747,86.902565

9.5943193,0.309871,9.793225,0.468395,9.809316,87.263084,88.187691

9.5967875,0.089731,9.793225,0.403789,9.801957,87.639046,89.475037

9.5992575,-0.113659,9.786046,0.312862,9.791705,88.168991,90.665428

9.6017256,-0.254836,9.757333,0.219541,9.763128,88.711494,91.496071

9.6041927,-0.388834,9.742975,0.111864,9.751372,89.342705,92.285416

9.6066608,-0.470190,9.719048,0.006580,9.730416,89.961250,92.769707

9.6091309,-0.508475,9.738190,-0.086740,9.751841,90.509636,92.988960

9.6115990,-0.506082,9.728619,-0.115454,9.742456,90.679001,92.977837

9.6140661,-0.472582,9.723833,-0.156132,9.736562,90.918816,92.782410

9.6165342,-0.412762,9.707084,-0.160917,9.717188,90.948868,92.434845

9.6190033,-0.295514,9.711869,-0.184846,9.718122,91.089874,91.742867

9.6214724,-0.171087,9.695119,-0.201595,9.698724,91.191025,91.010979

9.6239386,-0.005982,9.678370,-0.168096,9.679832,90.995026,90.035416

9.6264076,0.221336,9.678370,-0.136989,9.681870,90.810707,88.689926

9.6288767,0.443869,9.675977,-0.113061,9.686812,90.668747,87.373497

9.6313457,0.654437,9.668798,-0.043669,9.691020,90.258186,86.127815

9.6338120,0.900898,9.671191,0.030508,9.713109,89.820038,84.678101

9.6362810,1.066002,9.649655,0.150150,9.709518,89.113930,83.696068

9.6387501,1.257428,9.647263,0.253041,9.732154,88.510109,82.573906

9.6412191,1.396212,9.632906,0.339183,9.739472,88.004242,81.752869

9.6436853,1.503889,9.592228,0.336790,9.715242,88.013382,81.089584

9.6461544,1.594816,9.580264,0.279362,9.716118,88.352379,80.548698

9.6486235,1.645066,9.589835,0.193220,9.731830,88.862350,80.266075

9.6510916,1.652244,9.630513,0.087936,9.771614,89.484383,80.264915

9.6535587,1.668994,9.685548,-0.012562,9.828302,90.073235,80.222923

9.6560278,1.628316,9.731011,-0.113061,9.866954,90.656540,80.500557

9.6584969,1.618744,9.769297,-0.184846,9.904223,91.069389,80.591736

9.6609650,1.556531,9.812367,-0.213559,9.937351,91.231415,80.986305

9.6634321,1.463211,9.843474,-0.232702,9.954352,91.339523,81.545021

9.6659002,1.348356,9.845867,-0.213559,9.940059,91.231079,82.202057

9.6683702,1.207179,9.860224,-0.199202,9.935843,91.148796,83.020058

9.6708384,1.089931,9.838689,-0.192024,9.900739,91.111320,83.678543

9.6733055,0.915255,9.845867,-0.175274,9.889870,91.015480,84.689148

9.6757736,0.778864,9.812367,-0.187238,9.845011,91.089752,85.461624

9.6782427,0.637687,9.814760,-0.215952,9.837825,91.257813,86.282585

9.6807117,0.496511,9.826724,-0.256630,9.842606,91.494064,87.107498

9.6831789,0.379262,9.824331,-0.311665,9.836588,91.815681,87.789230

9.6856470,0.283549,9.817153,-0.302094,9.825892,91.761818,88.345581

9.6881161,0.223729,9.869795,-0.266202,9.875918,91.544571,88.701439

9.6905851,0.190229,9.888938,-0.187238,9.892539,91.084518,88.897964

9.6930513,0.202194,9.924830,-0.096311,9.927358,90.555870,88.832901

9.6955204,0.230907,9.946365,-0.012562,9.949054,90.072342,88.670105

9.6979895,0.235693,9.963116,0.109472,9.966504,89.370651,88.644829

9.7004585,0.247657,9.929616,0.169292,9.934147,89.023552,88.571266

9.7029247,0.235693,9.905687,0.159721,9.909779,89.076492,88.636978

9.7053938,0.175872,9.896116,0.111864,9.898311,89.352463,88.981857

9.7078629,0.151944,9.862617,0.025723,9.863820,89.850586,89.117363

9.7103310,0.130409,9.824331,-0.091525,9.825624,90.533714,89.239494

9.7127981,0.149551,9.793225,-0.170489,9.795852,90.997238,89.125107

9.7152672,0.159123,9.747761,-0.215952,9.751451,91.268959,89.064789

9.7177362,0.250050,9.707084,-0.165703,9.711718,90.977638,88.524414

9.7202044,0.362513,9.680762,-0.077169,9.687855,90.456390,87.855461

9.7226715,0.470190,9.666406,0.023330,9.677862,89.861877,87.215233

9.7251396,0.594616,9.664013,0.083151,9.682646,89.507965,86.479088

9.7276096,0.747757,9.640084,0.097508,9.669533,89.422218,85.564590

9.7300777,0.886541,9.637691,0.109472,9.679000,89.351959,84.744331

9.7325449,1.032503,9.630513,0.123829,9.686495,89.267532,83.880600

9.7350130,1.176072,9.644870,0.140578,9.717326,89.171089,83.047813

9.7374821,1.322034,9.692726,0.219541,9.784932,88.714363,82.233101

9.7399511,1.477568,9.721440,0.293719,9.837473,88.289055,81.357719

9.7424183,1.695315,9.778868,0.439681,9.934468,87.463364,80.164665

9.7448864,1.869991,9.819546,0.552144,10.011254,86.838402,79.217949

9.7473555,2.042274,9.857831,0.659821,10.088760,86.250092,78.295456

9.7498245,2.216950,9.857831,0.705284,10.128630,86.007103,77.325493

9.7522907,2.401197,9.843474,0.714856,10.157301,85.964272,76.291115

9.7547598,2.532803,9.826724,0.681356,10.170734,86.158775,75.546799

9.7572289,2.642873,9.800404,0.597607,10.168078,86.630623,74.908058

9.7596979,2.731407,9.769297,0.518644,10.157201,87.073105,74.379486

9.7621641,2.750550,9.769297,0.449252,10.159060,87.465446,74.275414

9.7646332,2.781656,9.735797,0.480359,10.136769,87.283859,74.054604

9.7671022,2.762514,9.704690,0.561715,10.105841,86.813675,74.110596

9.7695704,2.681158,9.647263,0.638285,10.033229,86.352539,74.468376

9.7720375,2.573481,9.577870,0.662214,9.939665,86.179932,74.960388

9.7745066,2.422733,9.546764,0.645464,9.870510,86.250572,75.760353

9.7769756,2.243271,9.513265,0.552144,9.789757,86.766792,76.731773

9.7794437,2.011168,9.532407,0.389432,9.750037,87.710907,78.086334

9.7819109,1.779064,9.599406,0.265005,9.766468,88.445137,79.500465

9.7843790,1.525424,9.680762,0.111864,9.800846,89.346024,81.045372

9.7868490,1.276571,9.726226,0.018544,9.809661,89.891685,82.522652

9.7893171,1.051646,9.766904,-0.038883,9.823435,90.226791,83.854385

9.7917843,0.809970,9.740582,-0.060419,9.774387,90.354164,85.246552

9.7942524,0.601795,9.731011,-0.053240,9.749747,90.312874,86.461166

9.7967215,0.398405,9.664013,-0.031705,9.672274,90.187813,87.639282

9.7991905,0.180658,9.589835,-0.053240,9.591684,90.318031,88.920761

9.8016577,0.003589,9.515657,-0.127418,9.516511,90.767166,89.978386

9.8041258,-0.178265,9.496515,-0.187238,9.500033,91.129326,91.075409

9.8065948,-0.386441,9.525229,-0.237488,9.536022,91.427055,92.323227

9.8090639,-0.594616,9.570692,-0.280558,9.593249,91.675880,93.555153

9.8115301,-0.774078,9.632906,-0.294915,9.668456,91.747955,94.594284

9.8139992,-0.934397,9.711869,-0.335593,9.762486,91.969978,95.495621

9.8164682,-1.082752,9.769297,-0.409771,9.837653,92.387253,96.324402

9.8189373,-1.267000,9.786046,-0.524626,9.881660,93.043320,97.377052

9.8214035,-1.439283,9.793225,-0.675374,9.921438,93.903267,98.360748

9.8238726,-1.623530,9.800404,-0.838086,9.969260,94.822380,99.406166

9.8263416,-1.798206,9.793225,-1.017548,10.008806,95.835068,100.404602

9.8288097,-1.970490,9.783653,-1.115654,10.042279,96.378479,101.387390

9.8312769,-2.118845,9.802796,-1.161117,10.096163,96.603958,102.196678

9.8337460,-2.250450,9.845867,-1.110868,10.160691,96.276688,102.874809

9.8362150,-2.346163,9.833903,-1.036690,10.162916,95.854767,103.418724

9.8386831,-2.415555,9.872188,-0.888335,10.202164,94.995255,103.749153

9.8411503,-2.420340,9.903295,-0.680160,10.217431,93.816917,103.733727

9.8436184,-2.365305,9.912866,-0.493520,10.203094,92.772453,103.420387

9.8460884,-2.257628,9.922438,-0.309272,10.180732,91.740814,102.818153

9.8485565,-2.035096,9.922438,-0.122632,10.129730,90.693649,101.590645

9.8510237,-1.788635,9.922438,0.016152,10.082373,89.908211,100.218491

9.8534918,-1.412962,9.967901,0.169292,10.068971,89.036629,98.067993

9.8559618,-0.987039,10.027721,0.308076,10.080891,88.248749,95.621574

9.8584299,-0.544367,10.106685,0.540180,10.135738,86.945000,93.083092

9.8608971,-0.101695,10.195219,0.858425,10.231800,85.187355,90.571495

9.8633652,0.362513,10.223933,1.176671,10.297805,83.438812,87.969299

9.8658342,0.819542,10.180862,1.624128,10.342118,80.964859,85.397713

9.8683033,1.276571,10.075578,2.107479,10.372481,78.277031,82.779129

9.8707695,1.704886,9.948758,2.514258,10.402207,76.012848,80.275864

9.8732386,2.090131,9.833903,2.717648,10.414409,74.873512,78.000725

9.8757076,2.410769,9.764511,2.722434,10.419651,74.854042,76.131538

9.8781767,2.731407,9.716655,2.533401,10.406348,75.909889,74.299026

9.8806429,3.008975,9.738190,2.210370,10.429381,77.764122,72.829529

9.8831120,3.265007,9.764511,1.875375,10.465322,79.676895,71.511360

9.8855810,3.513860,9.771689,1.590629,10.505390,81.291313,70.221619

9.8880491,3.693322,9.781260,1.329811,10.539548,82.751472,69.313889

9.8905163,3.860819,9.771689,1.109671,10.565188,83.971054,68.440895

9.8929853,3.958925,9.733404,0.975673,10.552923,84.695129,67.866661

9.8954544,3.982853,9.742975,0.824926,10.557898,85.518715,67.765633

9.8979225,3.920640,9.757333,0.690928,10.538233,86.240768,68.109009

9.9003897,3.734000,9.759726,0.518644,10.462504,87.158585,69.063515

9.9028578,3.525824,9.795618,0.329611,10.416056,88.186600,70.204224

9.9053278,3.250649,9.790833,0.123829,10.317096,89.312302,71.633347

9.9077959,2.956332,9.786046,-0.077169,10.223138,90.432495,73.190605

9.9102631,2.662015,9.781260,-0.311665,10.141820,91.761017,74.775429

9.9127312,2.360520,9.750154,-0.522234,10.045411,92.979996,76.390511

9.9152012,2.114059,9.750154,-0.756730,10.005368,94.337563,77.766319

9.9176693,1.889133,9.728619,-0.950549,9.955822,95.478752,79.010887

9.9201374,1.712065,9.714262,-1.125225,9.927950,96.507835,80.004700

9.9226046,1.621137,9.719048,-1.235295,9.930454,97.145798,80.530243

9.9250736,1.566102,9.678370,-1.331008,9.894195,97.731102,80.808372

9.9275427,1.570888,9.671191,-1.374078,9.893823,97.983185,80.774040

9.9300089,1.628316,9.664013,-1.362114,9.894439,97.912727,80.435913

9.9324780,1.702493,9.654441,-1.340579,9.894638,97.786690,79.999107

9.9349470,1.788635,9.637691,-1.295115,9.887448,97.526558,79.486237

9.9374161,1.891526,9.601799,-1.297508,9.871978,97.552437,78.855598

9.9398823,2.032703,9.568299,-1.309472,9.869091,97.624725,78.006317

9.9423513,2.173879,9.530014,-1.268794,9.856812,97.395782,77.150192

9.9448204,2.341377,9.501301,-1.280758,9.868998,97.456642,76.156593

9.9472895,2.518446,9.458230,-1.261616,9.868756,97.344757,75.089790

9.9497557,2.697907,9.398409,-1.206581,9.852139,97.034615,73.983345

9.9522247,2.922833,9.396016,-1.141975,9.906169,96.619728,72.720573

9.9546938,3.073581,9.419945,-1.007977,9.959833,95.808517,71.929306

9.9571619,3.243471,9.422338,-0.890728,10.004696,95.107864,71.004890

9.9596300,3.382255,9.460623,-0.771087,10.076587,94.388718,70.327591

9.9620981,3.516253,9.484550,-0.625125,10.134668,93.536354,69.658501

9.9645672,3.576073,9.491729,-0.498305,10.155271,92.812553,69.355759

9.9670353,3.659822,9.510872,-0.321236,10.195792,91.805504,68.953072

9.9695034,3.731607,9.515657,-0.175274,10.222688,90.982422,68.587151

9.9719706,3.748357,9.541979,-0.029312,10.251849,90.163818,68.553711

9.9744406,3.757928,9.553943,0.097508,10.266906,89.455841,68.528404

9.9769087,3.779463,9.601799,0.214756,10.321095,88.807732,68.514397

9.9793768,3.767499,9.625728,0.320040,10.341717,88.226616,68.624680

9.9818439,3.767499,9.659226,0.365504,10.374406,87.980980,68.692154

9.9843130,3.750750,9.692726,0.446860,10.402728,87.538048,68.845284

9.9867821,3.738785,9.728619,0.475574,10.433154,87.387390,68.977837

9.9892483,3.669394,9.711869,0.533001,10.395621,87.061058,69.302147

9.9917173,3.590430,9.699904,0.609572,10.361029,86.627167,69.687912

9.9941864,3.461218,9.690333,0.657428,10.310906,86.344315,70.344162

9.9966555,3.305685,9.652048,0.693320,10.225961,86.112366,71.094421

9.9991226,3.128616,9.666406,0.705284,10.184550,86.029068,72.065376

10.0015907,2.903690,9.692726,0.750748,10.146132,85.756607,73.323143

10.0040598,2.666801,9.721440,0.765105,10.109580,85.659637,74.659897

10.0065289,2.494518,9.750154,0.779462,10.094339,85.571342,75.649055

10.0089960,2.322234,9.798011,0.710070,10.094453,85.966331,76.666313

10.0114641,2.159523,9.829117,0.647857,10.084383,86.316582,77.608612

10.0139332,2.047060,9.848260,0.571286,10.074971,86.749382,78.257706

10.0164013,1.951347,9.891331,0.480359,10.093410,87.272186,78.840080

10.0188694,1.872384,9.876974,0.370289,10.059700,87.890511,79.265785

10.0213375,1.771885,9.893723,0.221934,10.053586,88.735085,79.846436

10.0238066,1.664208,9.879367,0.104686,10.019104,89.401329,80.438126

10.0262747,1.527817,9.879367,0.013759,9.996815,89.921143,81.209000

10.0287428,1.357927,9.857831,-0.036491,9.950987,90.210106,82.156807

10.0312099,1.147358,9.853045,-0.058026,9.919793,90.335152,83.357986

10.0336800,0.965504,9.831510,-0.105882,9.879372,90.614082,84.391251

10.0361481,0.707079,9.812367,-0.158524,9.839087,90.923172,85.878387

10.0386162,0.470190,9.805189,-0.211167,9.818727,91.232330,87.254593

10.0410833,0.233300,9.733404,-0.280558,9.740241,91.650581,88.626938

10.0435524,0.003589,9.687941,-0.330808,9.693588,91.955681,89.978775

10.0460215,-0.204586,9.606585,-0.378664,9.616221,92.256760,91.220016

10.0484896,-0.372084,9.527621,-0.448056,9.545405,92.690422,92.236443

10.0509567,-0.539581,9.434301,-0.460020,9.460909,92.787003,93.273384

10.0534258,-0.695115,9.419945,-0.510269,9.459330,93.092239,94.220314

10.0558949,-0.795614,9.376874,-0.510269,9.424391,93.103714,94.849846

10.0583620,-0.900898,9.364909,-0.538983,9.423569,93.278839,95.494904

10.0608301,-0.951147,9.419945,-0.558126,9.484279,93.373665,95.765709

10.0632992,-1.003789,9.470194,-0.582054,9.541014,93.497528,96.050453

10.0657682,-1.027717,9.561121,-0.534198,9.631023,93.179619,96.135124

10.0682354,-1.027717,9.642477,-0.421735,9.706258,92.490273,96.083748

10.0707035,-0.999003,9.735797,-0.311665,9.791879,91.823975,95.858696

10.0731726,-0.934397,9.802796,-0.192024,9.849101,91.117142,95.444954

10.0756407,-0.848256,9.867402,-0.115454,9.904469,90.667900,94.913376

10.0781088,-0.719043,9.903295,-0.060419,9.929547,90.348633,94.152756

10.0805769,-0.618545,9.939187,0.030508,9.958462,89.824471,93.561089

10.0830460,-0.463011,9.994222,0.109472,10.005540,89.373108,92.652496

10.0855141,-0.290728,10.020543,0.212363,10.027009,88.786438,91.661865

10.0879822,-0.087338,10.063614,0.339183,10.069707,88.069717,90.497231

10.0904493,0.113659,10.049257,0.451645,10.060043,87.426842,89.351997

10.0929193,0.345763,10.030114,0.566501,10.052048,86.769287,88.025658

10.0953875,0.544367,10.010972,0.633500,10.045756,86.384445,86.887489

10.0978556,0.752543,9.975080,0.643071,10.024075,86.321800,85.685646

10.1003227,0.939183,9.898509,0.669392,9.965472,86.148476,84.579933

10.1027927,1.113859,9.896116,0.655035,9.980124,86.236748,83.578094

10.1052608,1.300499,9.924830,0.623928,10.029100,86.433220,82.534782

10.1077290,1.427319,9.924830,0.619143,10.046036,86.466591,81.816238

10.1101961,1.578067,9.936794,0.635893,10.081395,86.383621,80.976189

10.1126652,1.721636,9.922438,0.674178,10.093231,86.170074,80.156647

10.1151342,1.826920,9.939187,0.738784,10.132664,85.818787,79.584732

10.1176014,1.858027,9.939187,0.784248,10.141733,85.564964,79.411369

10.1200695,1.939383,9.912866,0.796212,10.132131,85.492889,78.930305

10.1225386,1.992025,9.888938,0.769891,10.116916,85.635612,78.610771

10.1250076,2.003989,9.872188,0.686142,10.096873,86.103409,78.525253

10.1274748,2.003989,9.814760,0.542573,10.031943,86.899673,78.459908

10.1299429,1.987239,9.778868,0.353540,9.985007,87.970901,78.512909

10.1324120,1.953740,9.740582,0.207577,9.936757,88.803009,78.658264

10.1348801,1.970490,9.697512,0.068794,9.895923,89.601692,78.514137

10.1373482,1.948954,9.683155,-0.065204,9.877559,90.378227,78.619972

10.1398163,1.948954,9.659226,-0.151346,9.855048,90.879936,78.592522

10.1422853,1.958525,9.635299,-0.192024,9.834209,91.118835,78.510269

10.1447535,1.936990,9.628120,-0.259023,9.824446,91.510788,78.625046

10.1472216,1.905883,9.606585,-0.292523,9.798185,91.710808,78.778603

10.1496887,1.910669,9.582657,-0.340379,9.777210,91.995071,78.723778

10.1521587,1.865205,9.575478,-0.412164,9.764151,92.419281,78.977394

10.1546268,1.838884,9.580264,-0.493520,9.767626,92.896164,79.134514

10.1570950,1.802992,9.587442,-0.534198,9.770118,93.134308,79.349480

10.1595621,1.762314,9.620942,-0.546162,9.796253,93.196014,79.619934

10.1620321,1.733600,9.628120,-0.548555,9.798316,93.209358,79.792923

10.1645002,1.716850,9.652048,-0.553340,9.819155,93.230507,79.914047

10.1669683,1.697708,9.642477,-0.553340,9.806414,93.234711,80.014534

10.1694355,1.702493,9.632906,-0.538983,9.797033,93.153717,79.977203

10.1719046,1.697708,9.623335,-0.536590,9.786660,93.143036,79.995071

10.1743736,1.676172,9.604192,-0.555733,9.765188,93.262444,80.100159

10.1768408,1.647458,9.585050,-0.589233,9.743433,93.467072,80.247414

10.1793089,1.606780,9.563514,-0.622732,9.717526,93.674225,80.462723

10.1817780,1.575674,9.565907,-0.641875,9.716034,93.787918,80.646362

10.1842470,1.544567,9.553943,-0.627518,9.698314,93.709846,80.816566

10.1867142,1.503889,9.549157,-0.634696,9.687669,93.756477,81.050049

10.1891823,1.451247,9.539586,-0.637089,9.670352,93.777420,81.349976

10.1916513,1.405783,9.510872,-0.596411,9.632685,93.549759,81.592102

10.1941204,1.331606,9.532407,-0.553340,9.640858,93.290321,82.047668

10.1965876,1.310070,9.544372,-0.476770,9.645654,92.833199,82.184364

10.1990557,1.255036,9.597013,-0.397807,9.686900,92.353600,82.549507

10.2015247,1.192822,9.652048,-0.263809,9.729052,91.553795,82.954979

10.2039928,1.152144,9.687941,-0.153739,9.757421,90.902794,83.217918

10.2064610,1.149751,9.692726,-0.017348,9.760695,90.101837,83.235184

10.2089281,1.101895,9.731011,0.099900,9.793709,89.415550,83.539612

10.2113981,1.099502,9.721440,0.221934,9.785937,88.700485,83.547226

10.2138662,1.092324,9.723833,0.298505,9.789546,88.252655,83.590569

10.2163343,1.101895,9.733404,0.396610,9.803603,87.681435,83.541183

10.2188015,1.123430,9.776475,0.434896,9.850415,87.469574,83.444801

10.2212715,1.142573,9.771689,0.494716,9.850692,87.121315,83.330872

10.2237396,1.185644,9.759726,0.523430,9.845404,86.952438,83.073463

10.2262077,1.204786,9.802796,0.530608,9.890798,86.924797,82.993355

10.2286749,1.264607,9.821939,0.573679,9.919618,86.684578,82.663345

10.2311440,1.276571,9.848260,0.623928,9.950233,86.404915,82.614273

10.2336130,1.341177,9.884152,0.712463,10.000142,85.914482,82.272751

10.2360802,1.391426,9.920045,0.789033,10.048181,85.496216,82.015549

10.2385483,1.391426,9.955936,0.803390,10.084749,85.430756,82.043961

10.2410173,1.405783,9.932009,0.798605,10.062743,85.448074,81.943832

10.2434864,1.424926,9.958329,0.777069,10.089725,85.582939,81.856888

10.2459536,1.412962,9.955936,0.767498,10.084948,85.635384,81.922440

10.2484217,1.427319,9.924830,0.731606,10.053594,85.826866,81.816238

10.2508907,1.384248,9.934402,0.702892,10.054976,85.991478,82.067543

10.2533598,1.367498,9.891331,0.681356,10.008633,86.096466,82.128632

10.2558270,1.343570,9.865009,0.671785,9.978722,86.139832,82.244293

10.2582951,1.300499,9.841082,0.635893,9.946986,86.334686,82.471985

10.2607641,1.259821,9.829117,0.561715,9.925432,86.755699,82.696091

10.2632322,1.183251,9.821939,0.473181,9.904264,87.261627,83.130669

10.2657003,1.128216,9.819546,0.389432,9.891815,87.743736,83.445747

10.2681675,1.027717,9.805189,0.305683,9.863640,88.224068,84.016472

10.2706375,0.958325,9.762118,0.219541,9.811501,88.717850,84.393364

10.2731056,0.876970,9.704690,0.145364,9.745317,89.145325,84.836464

10.2755737,0.824327,9.683155,0.006580,9.718182,89.961205,85.134140

10.2780409,0.731007,9.661619,-0.101097,9.689761,90.597801,85.673187

10.2805109,0.632902,9.661619,-0.187238,9.684137,91.107857,86.252090

10.2829790,0.601795,9.711869,-0.254237,9.733817,91.496681,86.454208

10.2854471,0.518046,9.740582,-0.292523,9.758734,91.717728,86.955635

10.2879143,0.494118,9.793225,-0.297308,9.810189,91.736679,87.111588

10.2903833,0.467797,9.809975,-0.287737,9.825336,91.678162,87.269875

10.2928524,0.498904,9.831510,-0.270987,9.847889,91.576820,87.094994

10.2953205,0.551546,9.838689,-0.249452,9.857293,91.450096,86.791420

10.2977877,0.594616,9.845867,-0.232702,9.866550,91.351440,86.543961

10.3002567,0.683151,9.857831,-0.239880,9.884385,91.390625,86.035721

10.3027258,0.833899,9.862617,-0.266202,9.901386,91.540596,85.167053

10.3051929,0.953540,9.836296,-0.266202,9.885991,91.542999,84.462997

10.3076611,1.156930,9.829117,-0.316451,9.902028,91.831383,83.286926

10.3101301,1.305285,9.802796,-0.357129,9.895763,92.068199,82.415436

10.3125992,1.484746,9.783653,-0.314058,9.900656,91.817780,81.370758

10.3150663,1.661815,9.754940,-0.268594,9.899122,91.554802,80.332115

10.3175354,1.800599,9.692726,-0.232702,9.861300,91.352165,79.476234

10.3200035,1.910669,9.683155,-0.163310,9.871212,90.947952,78.837852

10.3224716,2.054238,9.635299,-0.096311,9.852317,90.560104,77.964775

10.3249397,2.164308,9.611370,-0.050847,9.852170,90.295708,77.309685

10.3274088,2.260021,9.599406,-0.031705,9.861912,90.184196,76.751915

10.3298769,2.343770,9.608977,-0.007777,9.890691,90.045052,76.292381

10.3323450,2.398805,9.620942,-0.034098,9.915541,90.197029,75.999809

10.3348131,2.482553,9.611370,-0.048455,9.926926,90.279671,75.517410

10.3372803,2.513660,9.620942,-0.077169,9.944193,90.444626,75.357666

10.3397503,2.537588,9.630513,-0.113061,9.959866,90.650414,75.238396

10.3422184,2.539981,9.594621,-0.132203,9.926013,90.763138,75.172241

10.3446865,2.561517,9.620942,-0.132203,9.956977,90.760765,75.091202

10.3471537,2.551945,9.654441,-0.117847,9.986718,90.676125,75.193718

10.3496227,2.480161,9.654441,-0.074776,9.968201,90.429802,75.592644

10.3520918,2.401197,9.652048,-0.058026,9.946414,90.334259,76.029785

10.3545599,2.305485,9.659226,-0.024526,9.930585,90.141510,76.575684

10.3570280,2.183451,9.695119,-0.005384,9.937948,90.031036,77.308090

10.3594961,2.066202,9.664013,-0.024526,9.882456,90.142197,77.931648

10.3619652,1.970490,9.640084,0.001795,9.839413,89.989548,78.447548

10.3644323,1.884348,9.630513,-0.005384,9.813133,90.031433,78.929131

10.3669014,1.788635,9.628120,-0.019741,9.792871,90.115501,79.476021

10.3693695,1.692922,9.635299,-0.034098,9.782950,90.199699,80.034843

10.3718386,1.637887,9.640084,-0.026919,9.778273,90.157730,80.357307

10.3743057,1.566102,9.644870,-0.026919,9.771229,90.157845,80.776993

10.3767748,1.508675,9.664013,0.006580,9.781068,89.961456,81.127022

10.3792429,1.467997,9.680762,0.004187,9.791434,89.975494,81.377327

10.3817110,1.391426,9.692726,0.056830,9.792253,89.667480,81.830795

10.3841791,1.377069,9.704690,0.044865,9.802008,89.737747,81.923798

10.3866482,1.305285,9.714262,0.064008,9.801773,89.625839,82.347122

10.3891163,1.264607,9.738190,0.075972,9.820251,89.556740,82.600945

10.3915844,1.238286,9.747761,0.092722,9.826534,89.459358,82.760330

10.3940525,1.202393,9.747761,0.068794,9.821879,89.598686,82.968048

10.3965206,1.152144,9.707084,0.047258,9.775333,89.723007,83.231171

10.3989897,1.121037,9.673584,0.030508,9.738371,89.820503,83.389679

10.4014578,1.101895,9.692726,-0.017348,9.755174,90.101891,83.514305

10.4039259,1.068395,9.709476,-0.046062,9.768189,90.270180,83.720642

10.4063940,1.025324,9.709476,-0.026919,9.763501,90.157974,83.971886

10.4088621,0.999003,9.733404,-0.000598,9.784537,90.003502,84.139877

10.4113312,0.963111,9.790833,0.013759,9.838099,89.919868,84.381966

10.4137993,0.941576,9.836296,0.042473,9.881351,89.753731,84.532043

10.4162674,0.908076,9.857831,0.109472,9.900173,89.366440,84.736923

10.4187355,0.876970,9.867402,0.114257,9.906955,89.339188,84.921158

10.4212046,0.881755,9.826724,0.107079,9.866786,89.378189,84.872566

10.4236717,0.886541,9.807582,0.111864,9.848205,89.349174,84.834877

10.4261408,0.881755,9.793225,0.121436,9.833591,89.292435,84.855118

10.4286089,0.896112,9.747761,0.116650,9.789559,89.317261,84.747559

10.4310780,0.924826,9.721440,0.142971,9.766378,89.161209,84.565659

10.4335451,0.943969,9.719048,0.178863,9.766419,88.950623,84.452515

10.4360142,0.991825,9.721440,0.226720,9.774534,88.670906,84.174583

10.4384823,1.030110,9.690333,0.284148,9.749073,88.329811,83.932083

10.4409513,1.109073,9.656834,0.303290,9.725043,88.212852,83.448372

10.4434185,1.173679,9.640084,0.355932,9.717790,87.900963,83.058411

10.4458876,1.197608,9.644870,0.363111,9.725720,87.860359,82.921791

10.4483557,1.238286,9.630513,0.360718,9.716494,87.872444,82.673141

10.4508238,1.293321,9.620942,0.312862,9.712523,88.154060,82.343758

10.4532919,1.290928,9.623335,0.250648,9.712770,88.521255,82.359634

10.4557600,1.326820,9.659226,0.171685,9.751440,88.991188,82.178627

10.4582291,1.367498,9.687941,0.128614,9.784824,89.246864,81.965515

10.4606972,1.362713,9.745368,0.111864,9.840818,89.348679,82.039841

10.4631653,1.377069,9.769297,0.152542,9.867054,89.114182,81.976509

10.4656334,1.369891,9.812367,0.157328,9.908779,89.090240,82.052383

10.4681025,1.417747,9.841082,0.176471,9.944246,88.983177,81.802132

10.4705706,1.432104,9.857831,0.154935,9.962518,89.108910,81.734138

10.4730387,1.458425,9.874580,0.071186,9.981955,89.591393,81.598442

10.4755068,1.518246,9.843474,-0.012562,9.959881,90.072266,81.231857

10.4779749,1.511068,9.805189,-0.108275,9.921532,90.625290,81.239128

10.4804440,1.523032,9.764511,-0.170489,9.884047,90.988335,81.134651

10.4829111,1.491925,9.762118,-0.194417,9.877378,91.127831,81.310837

10.4853802,1.479961,9.711869,-0.201595,9.826054,91.175583,81.335533

10.4878483,1.444068,9.690333,-0.218345,9.799774,91.276688,81.524071

10.4903173,1.408176,9.656834,-0.218345,9.761407,91.281708,81.703506

10.4927845,1.372284,9.618548,-0.220738,9.718454,91.301483,81.880371

10.4952536,1.343570,9.582657,-0.254237,9.679729,91.505043,82.018677

10.4977217,1.329213,9.563514,-0.287737,9.659731,91.706940,82.087273

10.5001907,1.322034,9.551550,-0.280558,9.646688,91.666588,82.119736

10.5026579,1.293321,9.570692,-0.290130,9.662039,91.720726,82.304047

10.5051270,1.300499,9.568299,-0.215952,9.658689,91.281143,82.259933

10.5075951,1.310070,9.582657,-0.168096,9.673255,90.995697,82.215202

10.5100632,1.322034,9.608977,-0.086740,9.699883,90.512367,82.166245

10.5125313,1.355534,9.647263,-0.002991,9.742030,90.017593,82.001747

10.5149994,1.355534,9.673584,0.073579,9.768373,89.568420,82.023232

10.5174685,1.341177,9.711869,0.109472,9.804649,89.360260,82.137375

10.5199366,1.326820,9.747761,0.147757,9.838757,89.139511,82.248802

10.5224047,1.343570,9.774082,0.174078,9.867531,88.989166,82.173035

10.5248728,1.381855,9.793225,0.200399,9.892267,88.839218,81.968407

10.5273418,1.377069,9.819546,0.193220,9.917516,88.883652,82.017036

10.5298100,1.384248,9.848260,0.207577,9.947233,88.804276,81.999054

10.5322781,1.353141,9.836296,0.250648,9.932096,88.553917,82.167206

10.5347462,1.341177,9.853045,0.267398,9.947500,88.459648,82.248650

10.5372143,1.281357,9.874580,0.298505,9.961843,88.282890,82.606430

10.5396833,1.228714,9.900902,0.355932,9.983200,87.956795,82.925690

10.5421505,1.133002,9.903295,0.379861,9.975130,87.817604,83.473366

10.5446196,1.039681,9.922438,0.391825,9.984450,87.750938,84.018326

10.5470877,0.953540,9.903295,0.363111,9.955719,87.909813,84.500221

10.5495567,0.896112,9.884152,0.310469,9.929545,88.208229,84.819641

10.5520239,0.843470,9.922438,0.253041,9.961438,88.544411,85.141174

10.5544930,0.836291,9.927223,0.186042,9.964124,88.930161,85.184647

10.5569611,0.802792,9.898509,0.193220,9.932889,88.885376,85.363327

10.5594301,0.826720,9.886545,0.135793,9.921980,89.215820,85.220001

10.5618973,0.869791,9.853045,0.147757,9.892466,89.144180,84.955215

10.5643663,0.934397,9.812367,0.152542,9.857937,89.113365,84.560326

10.5668344,0.999003,9.776475,0.162114,9.828721,89.054924,84.165512

10.5693026,1.070788,9.721440,0.176471,9.781826,88.966293,83.714378

10.5717707,1.149751,9.721440,0.186042,9.790962,88.911232,83.254982

10.5742397,1.235893,9.671191,0.207577,9.752048,88.780334,82.717575

10.5767078,1.295713,9.625728,0.178863,9.714190,88.944977,82.333534

10.5791759,1.372284,9.611370,0.152542,9.710039,89.099861,81.874390

10.5816441,1.448854,9.575478,0.071186,9.684731,89.578850,81.395912

10.5841122,1.515853,9.556335,-0.005384,9.675815,90.031883,80.986671

10.5865822,1.570888,9.508479,-0.010169,9.637374,90.060463,80.618950

10.5890493,1.625923,9.539586,-0.065204,9.677374,90.386055,80.327477

10.5915174,1.671387,9.534800,-0.067597,9.680419,90.400093,80.057449

10.5939856,1.755135,9.525229,-0.074776,9.685869,90.442329,79.559685

10.5964537,1.793421,9.561121,-0.129811,9.728733,90.764519,79.376228

10.5989227,1.831706,9.558728,-0.165703,9.734058,90.975395,79.152115

10.6013908,1.855634,9.582657,-0.230309,9.763388,91.351677,79.040596

10.6038589,1.917847,9.608977,-0.251845,9.801735,91.472313,78.712708

10.6063271,1.948954,9.630513,-0.249452,9.828908,91.454292,78.559402

10.6087961,1.982454,9.647263,-0.218345,9.851268,91.270020,78.387718

10.6112633,2.006382,9.695119,-0.156132,9.901781,90.903481,78.307823

10.6137323,1.989632,9.716655,-0.091525,9.918689,90.528709,78.427788

10.6162004,2.001596,9.783653,-0.026919,9.986340,90.154449,78.437653

10.6186695,1.982454,9.793225,0.011366,9.991873,89.934822,78.556198

10.6211367,1.960918,9.817153,0.068794,10.011314,89.606285,78.704170

10.6236057,1.970490,9.800404,0.078365,9.996843,89.550858,78.631569

10.6260748,1.946561,9.786046,0.099900,9.978265,89.426353,78.750023

10.6285419,1.929811,9.747761,0.104686,9.937503,89.396408,78.801682

10.6310101,1.913062,9.728619,0.104686,9.915482,89.395073,78.875145

10.6334791,1.850848,9.692726,0.133400,9.868757,89.225487,79.189377

10.6359482,1.822134,9.678370,0.186042,9.850159,88.917778,79.337799

10.6384153,1.747957,9.661619,0.255434,9.821786,88.509750,79.745110

10.6408834,1.676172,9.654441,0.312862,9.803860,88.171265,80.150673

10.6433516,1.616352,9.625728,0.355932,9.766981,87.911545,80.467827

10.6458216,1.532603,9.654441,0.387039,9.782990,87.732643,80.979797

10.6482887,1.444068,9.668798,0.370289,9.783052,87.830833,81.505470

10.6507568,1.369891,9.683155,0.360718,9.786225,87.887611,81.947716

10.6532249,1.312463,9.711869,0.355932,9.806612,87.919983,82.303665

10.6556931,1.231107,9.716655,0.339183,9.800207,88.016609,82.779060

10.6581621,1.180858,9.747761,0.312862,9.824009,88.175011,83.092766

10.6606302,1.130609,9.786046,0.250648,9.854329,88.542503,83.409683

10.6630983,1.101895,9.788439,0.188435,9.852067,88.904068,83.577194

10.6655674,1.039681,9.790833,0.159721,9.847176,89.070625,83.938515

10.6680355,0.979861,9.812367,0.142971,9.862206,89.169365,84.297363

10.6705027,0.951147,9.819546,0.116650,9.866193,89.322563,84.467438

10.6729717,0.936790,9.831510,0.145364,9.877110,89.156731,84.557037

10.6754408,0.924826,9.821939,0.150150,9.866526,89.128036,84.620934

10.6779089,0.917647,9.821939,0.159721,9.866006,89.072395,84.662445

10.6803761,0.948754,9.790833,0.188435,9.838498,88.902557,84.465187

10.6828451,0.991825,9.769297,0.174078,9.821058,88.984383,84.202927

10.6853142,1.049253,9.709476,0.142971,9.767052,89.161270,83.832275

10.6877813,1.121037,9.668798,0.128614,9.734420,89.242966,83.386436

10.6902494,1.190429,9.625728,0.095115,9.699526,89.438141,82.949936

10.6927185,1.278964,9.577870,0.083151,9.663243,89.506973,82.394104

10.6951876,1.348356,9.510872,0.092722,9.606421,89.446968,81.930954

10.6976547,1.408176,9.518050,0.107079,9.622251,89.362389,81.584251

10.7001228,1.448854,9.498908,0.147757,9.609904,89.119019,81.327606

10.7025909,1.484746,9.508479,0.140578,9.624729,89.163109,81.124947

10.7050610,1.542174,9.474979,0.116650,9.600372,89.303802,80.755447

10.7075281,1.573281,9.518050,0.097508,9.647694,89.420914,80.614189

10.7099962,1.585245,9.558728,0.066401,9.689515,89.607361,80.583618

10.7124643,1.611566,9.628120,0.044865,9.762165,89.736679,80.497849

10.7149343,1.616352,9.687941,0.066401,9.822077,89.612656,80.527924

10.7174015,1.597209,9.728619,0.042473,9.858951,89.753166,80.676559

10.7198696,1.546960,9.788439,0.047258,9.910038,89.726768,81.019279

10.7223377,1.525424,9.838689,0.020937,9.956262,89.879509,81.186836

10.7248068,1.499103,9.891331,-0.012562,10.004294,90.071945,81.381989

10.7272749,1.470389,9.927223,-0.060419,10.035709,90.344948,81.574783

10.7297421,1.444068,9.936794,-0.091525,10.041594,90.522240,81.731354

10.7322111,1.460818,9.910473,-0.091525,10.017976,90.523468,81.614899

10.7346802,1.489532,9.872188,-0.105882,9.984488,90.607613,81.419838

10.7371483,1.518246,9.853045,-0.050847,9.969461,90.292229,81.240242

10.7396154,1.537389,9.814760,0.056830,9.934602,89.672249,81.097504

10.7420845,1.585245,9.786046,0.174078,9.915140,88.994019,80.798569

10.7445536,1.618744,9.714262,0.276969,9.852103,88.389046,80.539398

10.7470207,1.625923,9.671191,0.346361,9.813028,87.977264,80.456665

10.7494888,1.666601,9.618548,0.377468,9.769161,87.785614,80.169991

10.7519579,1.690529,9.601799,0.336790,9.755299,88.021538,80.014626

10.7544270,1.740778,9.549157,0.279362,9.710548,88.351433,79.668625

10.7568941,1.795813,9.532407,0.226720,9.702738,88.661072,79.331070

10.7593622,1.829313,9.546764,0.212363,9.722767,88.748459,79.152695

10.7618303,1.884348,9.539586,0.238684,9.726841,88.593895,78.826248

10.7643003,1.932204,9.537193,0.250648,9.734181,88.524513,78.547081

10.7667675,1.958525,9.549157,0.284148,9.752075,88.330330,78.409416

10.7692356,1.968097,9.561121,0.305683,9.766365,88.206375,78.368492

10.7717037,1.958525,9.575478,0.308076,9.778574,88.194588,78.440414

10.7741737,1.901098,9.618548,0.315254,9.809690,88.158363,78.819641

10.7766409,1.867598,9.630513,0.312862,9.814917,88.173325,79.025139

10.7791090,1.822134,9.644870,0.334397,9.821177,88.048782,79.301620

10.7815771,1.740778,9.652048,0.329611,9.813307,88.075172,79.776421

10.7840462,1.671387,9.697512,0.341575,9.846417,88.011993,80.221024

10.7865143,1.609173,9.716655,0.377468,9.856232,87.805183,80.596603

10.7889814,1.542174,9.723833,0.358325,9.851885,87.915619,80.988098

10.7914505,1.451247,9.716655,0.322433,9.829723,88.120255,81.505287

10.7939196,1.357927,9.704690,0.288933,9.803492,88.311104,82.034615

10.7963877,1.286142,9.673584,0.221934,9.761231,88.697197,82.426712

10.7988548,1.216750,9.652048,0.152542,9.729634,89.101669,82.815117

10.8013239,1.142573,9.659226,0.075972,9.726865,89.552483,83.253929

10.8037930,1.068395,9.640084,0.025723,9.699142,89.848045,83.675812

10.8062611,0.999003,9.632906,-0.046062,9.684679,90.272507,84.079170

10.8087282,0.963111,9.635299,-0.081954,9.683661,90.484909,84.291870

10.8111973,0.932004,9.692726,-0.060419,9.737618,90.355507,84.507607

10.8136663,0.879362,9.683155,-0.055633,9.723161,90.327835,84.810997

10.8161335,0.857827,9.671191,-0.031705,9.709213,90.187096,84.931175

10.8186016,0.845863,9.685548,-0.050847,9.722547,90.299652,85.008881

10.8210707,0.826720,9.714262,-0.086740,9.749763,90.509743,85.135635

10.8235397,0.814756,9.711869,-0.081954,9.746329,90.481789,85.204521

10.8260069,0.795614,9.726226,-0.103490,9.759261,90.607590,85.323570

10.8284750,0.833899,9.781260,-0.072383,9.817010,90.422455,85.127045

10.8309431,0.879362,9.814760,-0.048455,9.854195,90.281731,84.880203

10.8334131,0.869791,9.862617,-0.031705,9.900947,90.183472,84.960083

10.8358803,0.910469,9.884152,-0.010169,9.926003,90.058701,84.737106

10.8383484,0.955933,9.905687,0.016152,9.951719,89.907013,84.487831

10.8408165,1.030110,9.891331,0.016152,9.944839,89.906944,84.054497

10.8432856,1.101895,9.903295,0.008973,9.964412,89.948402,83.651070

10.8457537,1.159323,9.888938,-0.010169,9.956668,90.058517,83.313492

10.8482218,1.250250,9.869795,0.018544,9.948685,89.893204,82.780548

10.8506899,1.350748,9.857831,0.011366,9.949949,89.934547,82.197754

10.8531590,1.453640,9.809975,0.068794,9.917328,89.602554,81.571259

10.8556271,1.551746,9.809975,0.147757,9.933043,89.147675,81.011406

10.8580942,1.642673,9.764511,0.243470,9.904713,88.591461,80.450607

10.8605633,1.716850,9.728619,0.300897,9.883529,88.255402,79.991821

10.8630323,1.781456,9.723833,0.339183,9.891489,88.034920,79.618248

10.8655005,1.822134,9.690333,0.317647,9.865274,88.154839,79.350662

10.8679676,1.879562,9.652048,0.250648,9.836545,88.539871,78.980591

10.8704367,1.925026,9.616156,0.150150,9.808095,89.122841,78.679787

10.8729057,1.956133,9.635299,0.126221,9.832668,89.264481,78.523933

10.8753729,1.977668,9.652048,0.054437,9.852724,89.683434,78.420586

10.8778410,1.965704,9.652048,0.052044,9.850316,89.697281,78.488754

10.8803101,1.948954,9.671191,0.049651,9.865740,89.711647,78.606262

10.8827791,1.941776,9.711869,0.054437,9.904234,89.685081,78.693459

10.8852463,1.925026,9.709476,0.035294,9.898530,89.795708,78.785820

10.8877144,1.893919,9.726226,0.064008,9.909112,89.629898,78.981087

10.8901825,1.872384,9.719048,0.052044,9.897900,89.698730,79.095505

10.8926525,1.853241,9.704690,0.080758,9.880386,89.531685,79.188766

10.8951197,1.802992,9.687941,0.097508,9.854770,89.433083,79.457474

10.8975878,1.771885,9.647263,0.099900,9.809140,89.416466,79.592636

10.9000559,1.728814,9.589835,0.123829,9.745208,89.271942,79.780724

10.9025249,1.697708,9.527621,0.133400,9.678614,89.210274,79.896622

10.9049931,1.652244,9.506086,0.102293,9.649148,89.392578,80.139977

10.9074612,1.601995,9.482158,0.059222,9.616715,89.647156,80.410530

10.9099293,1.489532,9.436694,-0.007777,9.553532,90.046638,81.030174

10.9123983,1.448854,9.463016,-0.105882,9.573873,90.633675,81.295212

10.9148664,1.384248,9.458230,-0.148953,9.560149,90.892738,81.673660

10.9173336,1.326820,9.484550,-0.172881,9.578467,91.034187,82.036415

10.9198027,1.271785,9.522836,-0.160917,9.608732,90.959579,82.393097

10.9222717,1.262214,9.563514,-0.136989,9.647422,90.813599,82.481430

10.9247398,1.252643,9.604192,-0.103490,9.686090,90.612183,82.569046

10.9272070,1.310070,9.630513,-0.084347,9.719578,90.497223,82.253418

10.9296761,1.386641,9.625728,-0.014955,9.725103,90.088112,81.802612

10.9321451,1.487139,9.618548,0.001795,9.732834,89.989433,81.210999

10.9346123,1.652244,9.601799,0.049651,9.743045,89.708015,80.236359

10.9370804,1.829313,9.625728,0.119043,9.798734,89.303909,79.239594

10.9395494,2.006382,9.601799,0.231506,9.811916,88.648018,78.197365

10.9420185,2.183451,9.589835,0.291326,9.839577,88.303360,77.173340

10.9444857,2.353341,9.561121,0.257827,9.849859,88.500076,76.172287

10.9469538,2.458625,9.518050,0.255434,9.833787,88.511566,75.516418

10.9494219,2.475375,9.515657,0.229113,9.835025,88.665138,75.418427

10.9518919,2.379662,9.594621,0.217149,9.887704,88.741600,76.070557

10.9543591,2.286342,9.675977,0.209970,9.944646,88.790176,76.705391

10.9568272,2.133201,9.759726,0.154935,9.991336,89.111481,77.670654

10.9592953,1.953740,9.819546,0.102293,10.012545,89.414627,78.747131

10.9617653,1.783849,9.829117,0.087936,9.990065,89.495651,79.713570

10.9642324,1.590031,9.867402,0.047258,9.994802,89.729088,80.846062

10.9667006,1.458425,9.874580,-0.048455,9.981818,90.278130,81.598442

10.9691687,1.343570,9.865009,-0.146560,9.957162,90.843369,82.244293

10.9716377,1.219143,9.857831,-0.227916,9.935547,91.314453,82.949883

10.9741068,1.125823,9.876974,-0.266202,9.944494,91.533920,83.497231

10.9765730,1.022932,9.934402,-0.273380,9.990668,91.568008,84.121048

10.9790421,0.896112,9.996614,-0.187238,10.038445,91.068748,84.877609

10.9815111,0.786042,9.996614,-0.129811,10.028311,90.741684,85.504036

10.9839802,0.690329,9.905687,-0.141775,9.930725,90.818001,86.013489

10.9864464,0.592224,9.857831,-0.146560,9.876692,90.850243,86.562004

10.9889154,0.518046,9.781260,-0.187238,9.796759,91.095123,86.968269

10.9913845,0.448654,9.735797,-0.203988,9.748264,91.199036,87.361511

10.9938517,0.388834,9.699904,-0.194417,9.709641,91.147316,87.704453

10.9963198,0.362513,9.664013,-0.189631,9.672668,91.123344,87.851753

10.9987888,0.362513,9.635299,-0.105882,9.642697,90.629150,87.845352

11.0012579,0.369691,9.630513,-0.010169,9.637612,90.060455,87.801636

11.0037251,0.417548,9.589835,0.099900,9.599441,89.403717,87.506882

11.0061932,0.465404,9.585050,0.159721,9.597671,89.046463,87.220177

11.0086613,0.506082,9.613763,0.217149,9.629523,88.707855,86.986649

11.0111313,0.510868,9.625728,0.257827,9.642722,88.467842,86.961983

11.0135994,0.530010,9.654441,0.291326,9.673367,88.274200,86.857727

11.0160666,0.518046,9.714262,0.327219,9.733567,88.073494,86.947403

11.0185347,0.501296,9.769297,0.355932,9.788623,87.916161,87.062531

11.0210047,0.455833,9.819546,0.420539,9.839111,87.550346,87.342186

11.0234728,0.405583,9.874580,0.475574,9.894342,87.245003,87.647987

11.0259399,0.374477,9.924830,0.568894,9.948173,86.721710,87.839180

11.0284081,0.321835,9.977472,0.621536,10.001992,86.437279,88.152504

11.0308771,0.307478,10.044471,0.705284,10.073895,85.985374,88.246628

11.0333462,0.288335,10.094721,0.750748,10.126705,85.748451,88.363907

11.0358124,0.312263,10.121041,0.774676,10.155447,85.625122,88.232819

11.0382814,0.364905,10.147363,0.731606,10.180244,85.878876,87.940498

11.0407505,0.417548,10.137792,0.702892,10.170704,86.037163,87.641479

11.0432196,0.510868,10.125827,0.671785,10.160937,86.209152,87.111763

11.0456858,0.613759,10.085149,0.666999,10.125799,86.223122,86.517403

11.0481548,0.714258,10.051650,0.626321,10.096440,86.443436,85.935463

11.0506239,0.817149,9.994222,0.638285,10.047866,86.357864,85.325775

11.0530930,0.912862,9.917651,0.621536,9.978949,86.429039,84.741074

11.0555592,0.972682,9.867402,0.647857,9.936370,86.261635,84.370239

11.0580282,1.049253,9.807582,0.621536,9.883112,86.394363,83.893501

11.0604973,1.099502,9.745368,0.621536,9.826872,86.373703,83.562935

11.0629654,1.109073,9.678370,0.580858,9.759010,86.587730,83.462822

11.0654325,1.142573,9.661619,0.509073,9.742254,87.004692,83.255585

11.0679016,1.168894,9.592228,0.485145,9.675356,87.125854,83.052284

11.0703707,1.176072,9.599406,0.384646,9.678827,87.722412,83.015213

11.0728388,1.180858,9.568299,0.257827,9.644338,88.468102,82.964500

11.0753059,1.171287,9.577870,0.183649,9.650971,88.909645,83.027863

11.0777740,1.156930,9.585050,0.092722,9.655064,89.449753,83.117607

11.0802441,1.144966,9.582657,0.018544,9.650834,89.889908,83.186424

11.0827122,1.149751,9.647263,-0.017348,9.715549,90.102310,83.203606

11.0851793,1.123430,9.685548,-0.048455,9.750604,90.284729,83.383804

11.0876474,1.144966,9.733404,-0.081954,9.800858,90.479111,83.290977

11.0901165,1.128216,9.783653,-0.079561,9.848811,90.462852,83.421913

11.0925856,1.185644,9.805189,-0.105882,9.877180,90.614220,83.105270

11.0950527,1.240679,9.817153,-0.144168,9.896290,90.834702,82.797218

11.0975208,1.305285,9.831510,-0.165703,9.919164,90.957191,82.437325

11.0999899,1.405783,9.817153,-0.194417,9.919200,91.123070,81.850838

11.1024590,1.542174,9.783653,-0.215952,9.906806,91.249054,81.042305

11.1049252,1.635494,9.728619,-0.196810,9.867097,91.142899,80.457146

11.1073942,1.776671,9.690333,-0.194417,9.853777,91.130531,79.610512

11.1098633,1.893919,9.644870,-0.172881,9.830582,91.007660,78.890442

11.1123323,2.037488,9.585050,-0.148953,9.800343,90.870857,77.999298

11.1147985,2.147558,9.544372,-0.113061,9.783650,90.662132,77.319191

11.1172676,2.255235,9.510872,-0.110668,9.775225,90.648674,76.660294

11.1197367,2.355734,9.484550,-0.115454,9.773408,90.676857,76.051369

11.1222048,2.408376,9.484550,-0.110668,9.786175,90.647949,75.752228

11.1246719,2.437090,9.486943,-0.079561,9.795297,90.465385,75.592880

11.1271410,2.437090,9.520443,-0.029312,9.827467,90.170891,75.641472

11.1296101,2.382055,9.537193,-0.014955,9.830181,90.087166,75.976440

11.1320782,2.358127,9.563514,0.001795,9.849952,89.989563,76.148582

11.1345453,2.255235,9.608977,0.011366,9.870090,89.934021,76.791695

11.1370134,2.176272,9.637691,-0.000598,9.880347,90.003471,77.275536

11.1394835,2.070988,9.654441,-0.041276,9.874154,90.239510,77.892876

11.1419516,1.958525,9.675977,-0.055633,9.872357,90.322876,78.557297

11.1444187,1.846063,9.728619,-0.060419,9.902404,90.349586,79.255531

11.1468868,1.731207,9.793225,-0.034098,9.945125,90.196442,79.975052

11.1493559,1.625923,9.807582,-0.002991,9.941443,90.017235,80.586990

11.1518250,1.503889,9.836296,0.054437,9.950747,89.686554,81.307259

11.1542921,1.377069,9.855438,0.095115,9.951634,89.452377,82.045738

11.1567602,1.302892,9.845867,0.135793,9.932627,89.216660,82.461914

11.1592293,1.183251,9.833903,0.152542,9.906009,89.117668,83.138947

11.1616983,1.111466,9.807582,0.138186,9.871328,89.197906,83.534416

11.1641645,1.006182,9.817153,0.138186,9.869549,89.197762,84.148064

11.1666336,0.898505,9.824331,0.152542,9.866512,89.114136,84.774429

11.1691027,0.829113,9.843474,0.186042,9.880083,88.921059,85.185356

11.1715717,0.754936,9.843474,0.226720,9.874985,88.684433,85.614342

11.1740379,0.692722,9.838689,0.272184,9.866800,88.419250,85.972565

11.1765070,0.635294,9.826724,0.317647,9.852361,88.152420,86.300995

11.1789761,0.611366,9.800404,0.358325,9.825990,87.910126,86.430412

11.1814442,0.597009,9.790833,0.353540,9.815387,87.935822,86.510635

11.1839113,0.580260,9.771689,0.343968,9.794944,87.987534,86.601669

11.1863804,0.635294,9.745368,0.334397,9.771777,88.038918,86.270203

11.1888494,0.647259,9.745368,0.293719,9.771255,88.277458,86.200165

11.1913176,0.680758,9.723833,0.312862,9.752653,88.161659,85.995300

11.1937847,0.721436,9.719048,0.341575,9.751771,87.992691,85.754768

11.1962528,0.757328,9.714262,0.355932,9.750237,87.907951,85.542213

11.1987228,0.788435,9.719048,0.387039,9.758653,87.726990,85.362167

11.2011909,0.807578,9.723833,0.401396,9.765564,87.644295,85.252403

11.2036581,0.853041,9.731011,0.408574,9.776870,87.604919,84.990135

11.2061262,0.879362,9.719048,0.422931,9.767908,87.518425,84.830055

11.2085962,0.891326,9.707084,0.401396,9.756180,87.642029,84.753685

11.2110643,0.943969,9.719048,0.432503,9.774355,87.463905,84.452515

11.2135315,0.994218,9.707084,0.358325,9.764442,87.896950,84.152054

11.2159996,1.018146,9.711869,0.291326,9.769437,88.291176,84.015244

11.2184687,1.061217,9.692726,0.198006,9.752657,88.836655,83.751808

11.2209377,1.101895,9.690333,0.131007,9.753660,89.230408,83.512718

11.2234039,1.123430,9.692726,0.044865,9.757717,89.736557,83.388664

11.2258730,1.168894,9.687941,-0.012562,9.758210,90.073761,83.120262

11.2283421,1.207179,9.702297,-0.026919,9.777146,90.157753,82.907593

11.2308111,1.269392,9.697512,-0.031705,9.780292,90.185738,82.542450

11.2332773,1.345963,9.733404,-0.005384,9.826027,90.031395,82.126907

11.2357464,1.412962,9.750154,-0.012562,9.852012,90.073059,81.754280

11.2382154,1.470389,9.731011,-0.010169,9.841480,90.059204,81.407410

11.2406836,1.549353,9.754940,-0.041276,9.877299,90.239433,80.975235

11.2431507,1.635494,9.692726,-0.065204,9.829956,90.380058,80.422455

11.2456198,1.740778,9.687941,-0.113061,9.843743,90.658089,79.813507

11.2480888,1.846063,9.652048,-0.163310,9.828360,90.952080,79.172302

11.2505569,1.963311,9.625728,-0.192024,9.825788,91.119797,78.471802

11.2530241,2.030310,9.606585,-0.189631,9.820621,91.106422,78.066399

11.2554922,2.130809,9.625728,-0.175274,9.860310,91.018532,77.517952

11.2579622,2.154737,9.620942,-0.139382,9.860266,90.809944,77.376175

11.2604303,2.166701,9.623335,-0.120239,9.864969,90.698364,77.311394

11.2628975,2.142773,9.632906,-0.129811,9.869205,90.753639,77.459137

11.2653656,2.126023,9.620942,-0.134596,9.853965,90.782631,77.539108

11.2678356,2.114059,9.668798,-0.115454,9.897891,90.668343,77.666519

11.2703037,2.090131,9.668798,-0.084347,9.892493,90.488533,77.801910

11.2727709,2.061417,9.661619,-0.038883,9.879162,90.225510,77.955887

11.2752390,2.025524,9.652048,-0.022134,9.862316,90.128586,78.148216

11.2777081,1.994418,9.644870,0.018544,9.848937,89.892120,78.316742

11.2801771,1.953740,9.630513,0.052044,9.826831,89.696556,78.532059

11.2826433,1.948954,9.640084,0.073579,9.835399,89.571365,78.570465

11.2851124,1.941776,9.630513,0.071186,9.824578,89.584846,78.600441

11.2875814,1.925026,9.630513,0.054437,9.821175,89.682419,78.696228

11.2900505,1.925026,9.628120,0.087936,9.819072,89.486870,78.693489

11.2925167,1.941776,9.654441,0.114257,9.848440,89.335266,78.627953

11.2949858,1.877169,9.678370,0.133400,9.859634,89.224770,79.023476

11.2974548,1.853241,9.690333,0.190828,9.867800,88.891922,79.173126

11.2999239,1.807778,9.711869,0.207577,9.880868,88.796242,79.455582

11.3023901,1.779064,9.738190,0.253041,9.902597,88.535759,79.646843

11.3048592,1.747957,9.731011,0.265005,9.890306,88.464607,79.816704

11.3073282,1.683351,9.738190,0.320040,9.887792,88.145172,80.192726

11.3097963,1.647458,9.719048,0.322433,9.862960,88.126595,80.379341

11.3122635,1.618744,9.685548,0.353540,9.826248,87.938103,80.511856

11.3147326,1.563710,9.683155,0.332004,9.814219,88.061378,80.826637

11.3172016,1.515853,9.635299,0.332004,9.759459,88.050499,81.059341

11.3196697,1.482354,9.620942,0.339183,9.740377,88.004425,81.240990

11.3221369,1.429712,9.597013,0.310469,9.707891,88.167305,81.526703

11.3246050,1.360320,9.573085,0.236291,9.672138,88.600121,81.912506

11.3270750,1.310070,9.582657,0.166899,9.673234,89.011383,82.215202

11.3295431,1.243071,9.575478,0.059222,9.656009,89.648590,82.603333

11.3320103,1.190429,9.628120,-0.048455,9.701555,90.286163,82.951668

11.3344784,1.121037,9.690333,-0.146560,9.756063,90.860756,83.401009

11.3369474,1.061217,9.781260,-0.196810,9.840629,91.145973,83.807922

11.3394165,0.989432,9.857831,-0.230309,9.910038,91.331673,84.268410

11.3418837,0.948754,9.982258,-0.182453,10.028903,91.042419,84.570686

11.3443518,0.936790,10.015758,-0.156132,10.060683,90.889206,84.656578

11.3468208,0.929612,10.018150,-0.127418,10.061996,90.725571,84.698547

11.3492899,0.932004,10.003794,-0.122632,10.047863,90.699303,84.677399

11.3517561,0.939183,9.972687,-0.127418,10.017624,90.728783,84.620010

11.3542252,0.943969,9.953544,-0.098704,9.998693,90.565613,84.582420

11.3566942,0.984646,9.929616,-0.069990,9.978562,90.401878,84.336914

11.3591633,0.999003,9.893723,-0.014955,9.944043,90.086166,84.234192

11.3616295,1.061217,9.879367,0.025723,9.936234,89.851669,83.868942

11.3640985,1.082752,9.845867,0.085543,9.905593,89.505196,83.724388

11.3665676,1.125823,9.807582,0.150150,9.873129,89.128616,83.451614

11.3690357,1.202393,9.762118,0.219541,9.838338,88.721344,82.978287

11.3715029,1.238286,9.747761,0.303290,9.830777,88.232079,82.760330

11.3739719,1.255036,9.692726,0.308076,9.778495,88.194572,82.622261

11.3764410,1.252643,9.699904,0.303290,9.785154,88.223839,82.641563

11.3789091,1.252643,9.704690,0.293719,9.789606,88.280685,82.645157

11.3813763,1.200001,9.711869,0.305683,9.790498,88.210793,82.956223

11.3838444,1.154537,9.745368,0.346361,9.819630,87.978622,83.243645

11.3863144,1.123430,9.764511,0.406182,9.837315,87.633591,83.436844

11.3887825,1.063610,9.807582,0.466002,9.876086,87.295502,83.810593

11.3912497,0.967897,9.812367,0.521037,9.873746,86.975098,84.366539

11.3937178,0.910469,9.841082,0.530608,9.897343,86.926834,84.714203

11.3961868,0.876970,9.874580,0.501895,9.926143,87.101723,84.924828

11.3986559,0.819542,9.888938,0.468395,9.933887,87.297432,85.262459

11.4011230,0.793221,9.903295,0.468395,9.946046,87.300735,85.420578

11.4035912,0.788435,9.908080,0.418146,9.948192,87.591011,85.450279

11.4060602,0.769292,9.917651,0.391825,9.955156,87.744316,85.564560

11.4085293,0.786042,9.884152,0.396610,9.923287,87.709412,85.453094

11.4109955,0.783649,9.891331,0.367896,9.929143,87.876579,85.470154

11.4134645,0.793221,9.876974,0.303290,9.913415,88.246826,85.408424

11.4159336,0.807578,9.841082,0.255434,9.877465,88.518150,85.308716

11.4184027,0.800399,9.821939,0.217149,9.856890,88.737663,85.341209

11.4208689,0.817149,9.798011,0.193220,9.833925,88.874161,85.232597

11.4233379,0.812363,9.776475,0.152542,9.811354,89.109154,85.249992

11.4258070,0.774078,9.733404,0.073579,9.764414,89.568245,85.452950

11.4282751,0.752543,9.687941,-0.017348,9.717140,90.102287,85.558281

11.4307423,0.740579,9.664013,-0.098704,9.692850,90.583466,85.617836

11.4332113,0.714258,9.647263,-0.187238,9.675479,91.108849,85.765701

11.4356804,0.680758,9.632906,-0.290130,9.661288,91.720856,85.957626

11.4381485,0.654437,9.632906,-0.349950,9.661451,92.075783,86.113434

11.4406157,0.625723,9.630513,-0.414557,9.659719,92.459663,86.282547

11.4430838,0.608973,9.604192,-0.486341,9.635760,92.893089,86.371902

11.4455538,0.589831,9.597013,-0.577268,9.632435,93.435776,86.483032

11.4480219,0.589831,9.580264,-0.632303,9.619208,93.768967,86.476906

11.4504900,0.597009,9.565907,-0.675374,9.608284,94.030693,86.428795

11.4529572,0.652044,9.558728,-0.723231,9.608200,94.316864,86.097641

11.4554272,0.697508,9.613763,-0.763909,9.669256,94.531311,85.850288

11.4578953,0.754936,9.664013,-0.766301,9.723698,94.520027,85.533226

11.4603634,0.857827,9.733404,-0.732802,9.798573,94.288963,84.963409

11.4628305,0.965504,9.766904,-0.680160,9.838050,93.964340,84.354385

11.4652996,1.070788,9.778868,-0.603590,9.855818,93.511101,83.750999

11.4677687,1.226322,9.774082,-0.531805,9.865058,93.090195,82.848656

11.4702349,1.348356,9.738190,-0.395414,9.839042,92.303238,82.116913

11.4727039,1.477568,9.707084,-0.316451,9.823992,91.845932,81.345131

11.4751730,1.635494,9.678370,-0.273380,9.819390,91.595367,80.408516

11.4776421,1.769492,9.625728,-0.215952,9.789401,91.264038,79.583641

11.4801083,1.932204,9.604192,-0.180060,9.798283,91.052963,78.624886

11.4825773,2.018346,9.565907,-0.115454,9.777199,90.676590,78.085701

11.4850464,2.126023,9.556335,-0.077169,9.790275,90.451622,77.457520

11.4875145,2.216950,9.551550,0.001795,9.805457,89.989517,76.932808

11.4899826,2.257628,9.537193,0.083151,9.801115,89.513908,76.682182

11.4924507,2.291128,9.539586,0.174078,9.812404,88.983482,76.495026

11.4949198,2.300699,9.551550,0.243470,9.827746,88.580429,76.457047

11.4973879,2.286342,9.541979,0.308076,9.816906,88.201637,76.525459

11.4998560,2.243271,9.527621,0.365504,9.794970,87.861488,76.751060

11.5023232,2.164308,9.518050,0.384646,9.768596,87.743347,77.189354

11.5047932,2.087738,9.527621,0.384646,9.761258,87.741653,77.640419

11.5072613,2.025524,9.561121,0.363111,9.780063,87.872253,78.038734

11.5097294,1.963311,9.594621,0.384646,9.800984,87.750809,78.435425

11.5121965,1.879562,9.623335,0.353540,9.811540,87.935013,78.948517

11.5146666,1.791028,9.656834,0.363111,9.828228,87.882683,79.492889

11.5171347,1.764707,9.714262,0.343968,9.879241,88.004715,79.703850

11.5196028,1.712065,9.769297,0.343968,9.924145,88.013748,80.059883

11.5220699,1.635494,9.800404,0.351147,9.942136,87.975945,80.525772

11.5245390,1.566102,9.848260,0.334397,9.977611,88.079384,80.964294

11.5270081,1.499103,9.862617,0.355932,9.982244,87.956596,81.357277

11.5294752,1.458425,9.888938,0.327219,10.001259,88.125076,81.610466

11.5319433,1.379462,9.884152,0.291326,9.984200,88.327942,82.054947

11.5344124,1.322034,9.881760,0.226720,9.972379,88.697281,82.379913

11.5368814,1.257428,9.869795,0.169292,9.951012,89.025208,82.739532

11.5393486,1.190429,9.841082,0.109472,9.913424,89.367287,83.102715

11.5418167,1.137787,9.848260,0.054437,9.913917,89.685394,83.409737

11.5442858,1.082752,9.814760,0.018544,9.874321,89.892395,83.704659

11.5467548,1.042074,9.795618,0.001795,9.850891,89.989563,83.927620

11.5492220,0.999003,9.788439,-0.031705,9.839337,90.184624,84.172600

11.5516901,0.953540,9.786046,-0.055633,9.832550,90.324188,84.434738

11.5541592,0.915255,9.783653,-0.096311,9.826843,90.561554,84.655571

11.5566273,0.879362,9.783653,-0.096311,9.823565,90.561745,84.864014

11.5590954,0.862613,9.769297,-0.115454,9.807986,90.674469,84.953964

11.5615625,0.853041,9.786046,-0.093918,9.823604,90.547783,85.018166

11.5640326,0.884148,9.769297,-0.079561,9.809546,90.464706,84.828667

11.5665007,0.893719,9.783653,-0.048455,9.824508,90.282585,84.780617

11.5689688,0.948754,9.788439,-0.041276,9.834397,90.240479,84.463844

11.5714359,0.987039,9.781260,-0.053240,9.831080,90.310287,84.237717

11.5739059,1.046860,9.795618,-0.069990,9.851647,90.407059,83.899940

11.5763741,1.106681,9.795618,-0.067597,9.858166,90.392876,83.554222

11.5788422,1.180858,9.800404,-0.113061,9.871936,90.656212,83.129509

11.5813093,1.233500,9.824331,-0.127418,9.902285,90.737274,82.843643

11.5837784,1.290928,9.809975,-0.098704,9.895041,90.571541,82.503326

11.5862474,1.384248,9.812367,-0.060419,9.909710,90.349327,81.970169

11.5887146,1.460818,9.798011,-0.031705,9.906363,90.183372,81.520042

11.5911827,1.487139,9.774082,0.025723,9.886603,89.850929,81.348724

11.5936518,1.554138,9.723833,0.030508,9.847295,89.822487,80.919350

11.5961208,1.604388,9.695119,-0.002991,9.826973,90.017441,80.603615

11.5985880,1.661815,9.675977,0.006580,9.817647,89.961601,80.254723

11.6010561,1.697708,9.637691,-0.002991,9.786077,90.017509,80.009674

11.6035252,1.738386,9.630513,0.016152,9.786165,89.905434,79.767830

11.6059942,1.783849,9.616156,0.044865,9.780316,89.737167,79.490784

11.6084614,1.800599,9.613763,0.107079,9.781516,89.372765,79.391754

11.6109295,1.798206,9.592228,0.169292,9.760791,89.006203,79.382286

11.6133986,1.791028,9.587442,0.245863,9.756397,88.555984,79.418556

11.6158667,1.764707,9.558728,0.300897,9.724917,88.226936,79.539986

11.6183348,1.750350,9.549157,0.298505,9.712838,88.238853,79.613052

11.6208029,1.714457,9.556335,0.296112,9.713424,88.253082,79.829033

11.6232719,1.664208,9.549157,0.233898,9.695911,88.617699,80.113899

11.6257401,1.633101,9.582657,0.154935,9.722054,89.086868,80.328423

11.6282082,1.592423,9.585050,0.056830,9.716595,89.664894,80.567253

11.6306753,1.554138,9.623335,0.018544,9.748039,89.890999,80.826118

11.6331453,1.508675,9.683155,-0.010169,9.799985,90.059456,81.144287

11.6356134,1.460818,9.723833,-0.043669,9.833048,90.254456,81.456306

11.6380816,1.403391,9.762118,-0.031705,9.862529,90.184189,81.819275

11.6405487,1.324427,9.802796,-0.026919,9.891898,90.155922,82.305527

11.6430178,1.293321,9.829117,-0.050847,9.913970,90.293861,82.504051

11.6454868,1.281357,9.860224,-0.062812,9.943331,90.361938,82.595787

11.6479549,1.226322,9.843474,-0.084347,9.919929,90.487183,82.898552

11.6504221,1.235893,9.812367,-0.101097,9.890409,90.585670,82.821251

11.6528912,1.235893,9.790833,-0.175274,9.870084,91.017517,82.805626

11.6553602,1.221536,9.769297,-0.215952,9.847738,91.256546,82.872826

11.6578274,1.233500,9.742975,-0.239880,9.823677,91.399223,82.784508

11.6602955,1.250250,9.721440,-0.270987,9.805252,91.583679,82.671562

11.6627645,1.259821,9.728619,-0.309272,9.814725,91.805748,82.621468

11.6652336,1.302892,9.716655,-0.287737,9.807838,91.681152,82.362846

11.6677008,1.290928,9.723833,-0.259023,9.812570,91.512619,82.437683

11.6701689,1.300499,9.738190,-0.235095,9.827456,91.370773,82.393372

11.6726379,1.338784,9.733404,-0.215952,9.827417,91.259148,82.168373

11.6751060,1.333999,9.740582,-0.172881,9.833025,91.007408,82.201706

11.6775742,1.379462,9.731011,-0.153739,9.829503,90.896172,81.931549

11.6800423,1.412962,9.721440,-0.148953,9.824717,90.868698,81.730263

11.6825113,1.427319,9.716655,-0.132203,9.821817,90.771233,81.643356

11.6849794,1.484746,9.678370,-0.103490,9.792141,90.605553,81.278320

11.6874475,1.501496,9.675977,-0.139382,9.792775,90.815529,81.179321

11.6899147,1.544567,9.666406,-0.134596,9.789954,90.787750,80.921616

11.6923847,1.604388,9.680762,-0.141775,9.813833,90.827751,80.589935

11.6948528,1.657030,9.673584,-0.115454,9.815157,90.673973,80.279900

11.6973209,1.668994,9.666406,-0.096311,9.809904,90.562523,80.203941

11.6997881,1.685744,9.652048,-0.096311,9.798624,90.563171,80.093140

11.7022581,1.695315,9.637691,-0.093918,9.786113,90.549881,80.023468

11.7047262,1.668994,9.642477,-0.089133,9.786258,90.521851,80.180099

11.7071943,1.637887,9.649655,-0.091525,9.788099,90.535759,80.366699

11.7096615,1.578067,9.644870,-0.077169,9.773421,90.452400,80.707764

11.7121305,1.530210,9.649655,-0.012562,9.770238,90.073669,80.989258

11.7145996,1.446461,9.678370,0.020937,9.785884,89.877411,81.499886

11.7170668,1.345963,9.687941,0.040080,9.781075,89.765221,82.090424

11.7195349,1.281357,9.716655,0.030508,9.800826,89.821648,82.487625

11.7220039,1.173679,9.731011,-0.034098,9.801595,90.199318,83.122643

11.7244730,1.087538,9.762118,-0.079561,9.822832,90.464081,83.643242

11.7269402,0.991825,9.809975,-0.084347,9.860347,90.490120,84.226799

11.7294083,0.891326,9.824331,-0.125025,9.865475,90.726128,84.815948

11.7318773,0.793221,9.841082,-0.101097,9.873515,90.586670,85.391754

11.7343464,0.699901,9.867402,-0.105882,9.892759,90.613251,85.942772

11.7368135,0.601795,9.886545,-0.053240,9.904987,90.307976,86.516701

11.7392817,0.513260,9.860224,-0.005384,9.873575,90.031242,87.020233

11.7417507,0.465404,9.865009,-0.007777,9.875984,90.045120,87.298943

11.7442188,0.405583,9.857831,0.008973,9.866176,89.947891,87.643990

11.7466869,0.364905,9.824331,0.056830,9.831270,89.668800,87.872841

11.7491541,0.374477,9.795618,0.056830,9.802938,89.667847,87.810707

11.7516241,0.388834,9.778868,0.066401,9.786820,89.611259,87.722969

11.7540922,0.419940,9.764511,0.054437,9.773689,89.680878,87.537407

11.7565603,0.460618,9.742975,0.056830,9.754023,89.666176,87.293243

11.7590275,0.501296,9.766904,0.049651,9.779886,89.709114,87.061813

11.7614975,0.518046,9.762118,0.061615,9.776049,89.638878,86.962334

11.7639656,0.597009,9.783653,0.099900,9.802361,89.416061,86.508080

11.7664337,0.652044,9.771689,0.111864,9.794059,89.345573,86.182434

11.7689009,0.697508,9.769297,0.107079,9.794751,89.373611,85.916130

11.7713699,0.747757,9.762118,0.099900,9.791224,89.415398,85.619820

11.7738390,0.795614,9.774082,0.030508,9.806458,89.821747,85.346367

11.7763062,0.817149,9.764511,-0.036491,9.798712,90.213371,85.216316

11.7787743,0.826720,9.793225,-0.072383,9.828325,90.421974,85.174667

11.7812433,0.853041,9.781260,-0.101097,9.818908,90.589935,85.015747

11.7837124,0.850648,9.793225,-0.098704,9.830596,90.575287,85.035698

11.7861795,0.867398,9.800404,-0.067597,9.838946,90.393646,84.942139

11.7886477,0.888934,9.805189,-0.022134,9.845427,90.128807,84.819756

11.7911167,0.955933,9.802796,0.016152,9.849309,89.906044,84.430336

11.7935858,0.999003,9.757333,0.044865,9.808444,89.737915,84.154144

11.7960529,1.061217,9.750154,0.102293,9.808270,89.402435,83.788322

11.7985220,1.116252,9.714262,0.111864,9.778825,89.344551,83.444977

11.8009901,1.190429,9.680762,0.107079,9.754268,89.371017,82.989616

11.8034582,1.269392,9.659226,0.080758,9.742615,89.525063,82.513229

11.8059263,1.326820,9.640084,0.059222,9.731145,89.651306,82.163292

11.8083935,1.379462,9.628120,0.028116,9.726480,89.834381,81.846474

11.8108635,1.415355,9.608977,-0.000598,9.712655,90.003532,81.620865

11.8133316,1.436890,9.608977,-0.012562,9.715825,90.074081,81.495224

11.8157997,1.467997,9.620942,-0.050847,9.732427,90.299347,81.324524

11.8182669,1.451247,9.644870,-0.084347,9.753807,90.495476,81.442993

11.8207369,1.441676,9.666406,-0.081954,9.773665,90.480446,81.517265

11.8232050,1.451247,9.704690,-0.079561,9.812923,90.464546,81.494965

11.8256731,1.398605,9.728619,-0.091525,9.829063,90.533531,81.819099

11.8281403,1.400998,9.728619,-0.098704,9.829473,90.575356,81.805298

11.8306093,1.384248,9.728619,-0.122632,9.827370,90.714989,81.901962

11.8330784,1.369891,9.711869,-0.192024,9.809887,91.121613,81.971207

11.8355465,1.329213,9.695119,-0.280558,9.789834,91.642212,82.193344

11.8380146,1.298106,9.702297,-0.393021,9.796638,92.299210,82.379440

11.8404827,1.252643,9.728619,-0.474377,9.820395,92.768768,82.663048

11.8429518,1.238286,9.774082,-0.515055,9.865664,92.992592,82.779625

11.8454189,1.192822,9.819546,-0.460020,9.902420,92.662651,83.073975

11.8478880,1.178465,9.903295,-0.359522,9.979643,92.064552,83.213867

11.8503561,1.149751,9.984651,-0.251845,10.053785,91.435394,83.431213

11.8528252,1.092324,10.068399,-0.139382,10.128438,90.788498,83.808182

11.8552923,1.058824,10.116256,-0.062812,10.171710,90.353813,84.024857

11.8577614,1.020539,10.135399,-0.041276,10.186732,90.232162,84.250237

11.8602295,1.006182,10.125827,-0.081954,10.176025,90.461449,84.325272

11.8626976,0.996611,10.077971,-0.163310,10.128445,90.923874,84.352379

11.8651657,1.003789,10.013365,-0.244666,10.066525,91.392708,84.275513

11.8676348,1.034896,9.960723,-0.282951,10.018337,91.618439,84.068382

11.8701029,1.080359,9.896116,-0.347557,9.960979,91.999565,83.769691

11.8725710,1.142573,9.836296,-0.359522,9.908958,92.079292,83.374283

11.8750391,1.250250,9.788439,-0.349950,9.874165,92.031044,82.721184

11.8775072,1.341177,9.716655,-0.227916,9.811426,91.331085,82.141197

11.8799763,1.439283,9.685548,-0.122632,9.792671,90.717522,81.547638

11.8824444,1.525424,9.623335,-0.007777,9.743487,90.045731,80.992813

11.8849125,1.618744,9.558728,0.059222,9.695005,89.650002,80.388306

11.8873806,1.673779,9.527621,0.080758,9.673863,89.521690,80.036148

11.8898487,1.714457,9.479765,0.047258,9.633667,89.718933,79.748611

11.8923178,1.762314,9.472587,-0.000598,9.635126,90.003555,79.460976

11.8947859,1.805385,9.453444,-0.065204,9.624515,90.388168,79.188049

11.8972540,1.824527,9.482158,-0.127418,9.656939,90.756004,79.108437

11.8997221,1.850848,9.525229,-0.196810,9.705378,91.161949,79.003876

11.9021912,1.865205,9.577870,-0.203988,9.759929,91.197601,78.980080

11.9046583,1.867598,9.656834,-0.192024,9.837644,91.118446,79.054321

11.9071274,1.860420,9.719048,-0.206381,9.897658,91.194786,79.163528

11.9095955,1.850848,9.762118,-0.168096,9.937447,90.969223,79.264435

11.9120646,1.831706,9.821939,-0.148953,9.992388,90.854118,79.436188

11.9145317,1.764707,9.862617,-0.141775,10.020254,90.810692,79.855484

11.9170008,1.731207,9.855438,-0.117847,10.007029,90.674751,80.037064

11.9194689,1.685744,9.869795,-0.163310,10.014052,90.934425,80.307510

11.9219370,1.657030,9.853045,-0.170489,9.992864,90.977570,80.453651

11.9244051,1.580459,9.833903,-0.203988,9.962184,91.173286,80.869766

11.9268742,1.551746,9.814760,-0.196810,9.938620,91.134674,81.015717

11.9293423,1.489532,9.781260,-0.199202,9.896031,91.153412,81.341278

11.9318104,1.439283,9.742975,-0.223131,9.851238,91.297859,81.596748

11.9342785,1.393819,9.742975,-0.218345,9.844591,91.270882,81.858574

11.9367466,1.326820,9.733404,-0.215952,9.825795,91.259354,82.237503

11.9392157,1.250250,9.726226,-0.242273,9.809245,91.415260,82.675125

11.9416838,1.178465,9.716655,-0.280558,9.791878,91.641876,83.084770

11.9441519,1.130609,9.711869,-0.263809,9.781016,91.545540,83.359795

11.9466200,1.077967,9.716655,-0.256630,9.779634,91.503685,83.669487

11.9490881,1.030110,9.726226,-0.259023,9.784053,91.517029,83.954308

11.9515572,1.003789,9.742975,-0.223131,9.797089,91.305038,84.117744

11.9540253,0.953540,9.711869,-0.220738,9.761065,91.295807,84.392502

11.9564934,0.946361,9.711869,-0.237488,9.760758,91.394196,84.434456

11.9589615,0.929612,9.687941,-0.235095,9.735278,91.383759,84.518936

11.9614305,0.920040,9.666406,-0.239880,9.713054,91.415161,84.563011

11.9638977,0.927219,9.661619,-0.206381,9.708203,91.218109,84.518150

11.9663668,0.946361,9.644870,-0.189631,9.693043,91.120987,84.396034

11.9688349,0.948754,9.683155,-0.170489,9.731017,91.003883,84.404030

11.9713039,0.967897,9.719048,-0.151346,9.768296,90.887756,84.312805

11.9737711,0.972682,9.695119,-0.122632,9.744561,90.721069,84.270859

11.9762402,1.003789,9.695119,-0.089133,9.747352,90.523933,84.088913

11.9787083,1.013360,9.707084,-0.084347,9.760200,90.495155,84.040260

11.9811764,1.037289,9.690333,-0.036491,9.745761,90.214531,83.890114

11.9836445,1.044467,9.687941,-0.019741,9.744101,90.116074,83.846649

11.9861135,1.080359,9.704690,0.025723,9.764673,89.849068,83.647789

11.9885817,1.056431,9.716655,0.040080,9.773998,89.765053,83.794960

11.9910498,1.063610,9.745368,0.056830,9.803402,89.667862,83.771393

11.9935179,1.034896,9.752547,0.044865,9.807405,89.737892,83.942703

11.9959860,0.996611,9.766904,0.064008,9.817827,89.626457,84.173729

11.9984550,0.965504,9.812367,0.059222,9.859932,89.655861,84.380379

12.0009232,0.939183,9.809975,0.078365,9.855142,89.544395,84.531311

12.0033913,0.922433,9.829117,0.049651,9.872431,89.711845,84.638664

12.0058594,0.912862,9.807582,0.001795,9.849974,89.989563,84.682396

12.0083284,0.905683,9.836296,0.004187,9.877905,89.975708,84.739288

12.0107965,0.898505,9.819546,-0.000598,9.860567,90.003479,84.771896

12.0132647,0.888934,9.800404,-0.012562,9.840644,90.073143,84.817238

12.0157328,0.900898,9.793225,-0.005384,9.834578,90.031364,84.744041

12.0182009,0.857827,9.790833,-0.010169,9.828346,90.059288,84.992798

12.0206699,0.869791,9.786046,0.018544,9.824641,89.891853,84.920853

12.0231371,0.829113,9.788439,-0.014955,9.823502,90.087227,85.158417

12.0256062,0.862613,9.769297,-0.038883,9.807384,90.227158,84.953964

12.0280743,0.860220,9.762118,-0.081954,9.800288,90.479134,84.964211

12.0305433,0.905683,9.728619,-0.108275,9.771285,90.634903,84.681389

12.0330105,0.941576,9.711869,-0.163310,9.758773,90.958870,84.462425

12.0354795,1.006182,9.697512,-0.223131,9.752124,91.311058,84.076378

12.0379477,1.063610,9.697512,-0.268594,9.759361,91.577080,83.740898

12.0404167,1.113859,9.702297,-0.242273,9.769031,91.421089,83.450905

12.0428839,1.168894,9.747761,-0.206381,9.819763,91.204269,83.162079

12.0453529,1.240679,9.783653,-0.139382,9.862990,90.809723,82.772820

12.0478210,1.281357,9.800404,-0.043669,9.883911,90.253143,82.551102

12.0502892,1.333999,9.812367,0.047258,9.902744,89.726570,82.258057

12.0527573,1.384248,9.819546,0.090329,9.917045,89.478119,81.975967

12.0552263,1.410569,9.781260,0.107079,9.883027,89.379211,81.793869

12.0576944,1.451247,9.759726,0.044865,9.867136,89.739479,81.542236

12.0601625,1.453640,9.742975,0.035294,9.850883,89.794716,81.514137

12.0626307,1.448854,9.714262,-0.038883,9.821791,90.226830,81.517029

12.0650988,1.422533,9.733404,-0.084347,9.837168,90.491280,81.685112

12.0675678,1.403391,9.733404,-0.117847,9.834763,90.686569,81.795471

12.0700359,1.405783,9.745368,-0.113061,9.846888,90.657875,81.791626

12.0725040,1.403391,9.721440,-0.108275,9.822812,90.631577,81.785507

12.0749722,1.427319,9.699904,-0.074776,9.804641,90.436974,81.629128

12.0774403,1.412962,9.675977,-0.060419,9.778785,90.354004,81.691948

12.0799093,1.432104,9.620942,-0.065204,9.727163,90.384079,81.533524

12.0823774,1.420140,9.601799,-0.074776,9.706541,90.441391,81.586746

12.0848455,1.396212,9.608977,-0.091525,9.710316,90.540054,81.732620

12.0873137,1.396212,9.592228,-0.098704,9.693811,90.583405,81.718384

12.0897827,1.386641,9.608977,-0.115454,9.709199,90.681328,81.788513

12.0922499,1.372284,9.599406,-0.103490,9.697550,90.611458,81.864403

12.0947189,1.343570,9.630513,-0.067597,9.724019,90.398300,82.057831

12.0971870,1.326820,9.630513,-0.038883,9.721561,90.229164,82.155602

12.0996561,1.338784,9.668798,-0.031705,9.761097,90.186104,82.116699

12.1021233,1.355534,9.697512,-0.017348,9.791808,90.101509,82.042664

12.1045923,1.338784,9.716655,-0.012562,9.808460,90.073380,82.155045

12.1070604,1.350748,9.726226,0.013759,9.819582,89.919724,82.093506

12.1095285,1.357927,9.764511,-0.012562,9.858489,90.073013,82.082794

12.1119967,1.367498,9.771689,-0.050847,9.867043,90.295265,82.033485

12.1144657,1.360320,9.783653,-0.043669,9.877867,90.253296,82.084343

12.1169348,1.329213,9.793225,-0.048455,9.883139,90.280907,82.270599

12.1194019,1.333999,9.807582,-0.034098,9.897948,90.197380,82.254326

12.1218700,1.319642,9.798011,-0.060419,9.886663,90.350143,82.329300

12.1243382,1.307678,9.826724,-0.060419,9.913535,90.349197,82.419975

12.1268082,1.324427,9.841082,-0.048455,9.929921,90.279587,82.335106

12.1292753,1.324427,9.809975,-0.034098,9.899034,90.197357,82.311089

12.1317434,1.365105,9.788439,-0.069990,9.883418,90.405746,82.060684

12.1342115,1.398605,9.769297,-0.084347,9.869264,90.489677,81.852707

12.1366796,1.436890,9.759726,-0.093918,9.865379,90.545464,81.624710

12.1391487,1.499103,9.769297,-0.127418,9.884468,90.738602,81.275986

12.1416168,1.561317,9.759726,-0.125025,9.884614,90.724724,80.911095

12.1440849,1.604388,9.762118,-0.108275,9.893672,90.627052,80.666969

12.1465530,1.661815,9.754940,-0.113061,9.896123,90.654602,80.332115

12.1490221,1.678565,9.766904,-0.091525,9.910518,90.529144,80.248268

12.1514893,1.690529,9.766904,-0.091525,9.912551,90.529037,80.180107

12.1539583,1.735993,9.738190,-0.141775,9.892731,90.821144,79.892265

12.1564274,1.733600,9.709476,-0.180060,9.864671,91.045876,79.876671

12.1588955,1.745564,9.687941,-0.232702,9.846692,91.354172,79.786087

12.1613626,1.764707,9.680762,-0.263809,9.843827,91.535675,79.668983

12.1638317,1.771885,9.692726,-0.273380,9.857142,91.589256,79.640396

12.1663008,1.805385,9.702297,-0.256630,9.872175,91.489586,79.459068

12.1687679,1.793421,9.697512,-0.237488,9.864811,91.379486,79.522316

12.1712360,1.846063,9.711869,-0.201595,9.887820,91.168243,79.237434

12.1737051,1.867598,9.716655,-0.170489,9.895978,90.987144,79.120102

12.1761742,1.886741,9.716655,-0.129811,9.898992,90.751373,79.011284

12.1786413,1.920240,9.714262,-0.091525,9.902656,90.529564,78.818367

12.1811094,1.901098,9.714262,-0.058026,9.898708,90.335869,78.927063

12.1835775,1.908276,9.704690,-0.105882,9.891093,90.613350,78.875603

12.1860476,1.889133,9.692726,-0.105882,9.875675,90.614311,78.971191

12.1885147,1.858027,9.666406,-0.117847,9.844062,90.685921,79.119606

12.1909828,1.826920,9.664013,-0.125025,9.835976,90.728302,79.294930

12.1934509,1.800599,9.659226,-0.122632,9.826385,90.715065,79.440559

12.1959209,1.750350,9.654441,-0.103490,9.812373,90.604301,79.723900

12.1983881,1.726422,9.668798,-0.086740,9.822104,90.505989,79.876190

12.2008562,1.692922,9.671191,-0.055633,9.818402,90.324654,80.071091

12.2033243,1.637887,9.690333,-0.046062,9.827887,90.268539,80.406380

12.2057934,1.592423,9.723833,-0.043669,9.853459,90.253929,80.699516

12.2082615,1.530210,9.719048,-0.024526,9.838802,90.142830,81.052544

12.2107286,1.479961,9.711869,-0.031705,9.824037,90.184906,81.335533

12.2131977,1.415355,9.697512,-0.026919,9.800290,90.157379,81.696297

12.2156668,1.360320,9.695119,0.011366,9.790093,89.933479,82.012985

12.2181349,1.262214,9.687941,0.047258,9.769935,89.722855,82.576912

12.2206020,1.214357,9.678370,0.049651,9.754382,89.708359,82.848396

12.2230711,1.173679,9.647263,0.064008,9.718606,89.622643,83.063522

12.2255402,1.109073,9.618548,0.073579,9.682558,89.564598,83.422516

12.2280073,1.054038,9.628120,0.061615,9.685841,89.635521,83.752426

12.2304754,1.015753,9.656834,0.040080,9.710191,89.763504,83.995430

12.2329445,0.943969,9.699904,0.049651,9.745854,89.708099,84.441635

12.2354136,0.888934,9.716655,0.047258,9.757347,89.722496,84.772812

12.2378807,0.817149,9.769297,0.087936,9.803806,89.486076,85.218651

12.2403488,0.781257,9.786046,0.097508,9.817666,89.430939,85.435547

12.2428169,0.723829,9.831510,0.090329,9.858533,89.475021,85.789291

12.2452869,0.675972,9.862617,0.090329,9.886167,89.476486,86.079147

12.2477541,0.630509,9.884152,0.059222,9.904420,89.657402,86.350052

12.2502222,0.616152,9.920045,0.064008,9.939367,89.631020,86.445824

12.2526903,0.613759,9.886545,0.078365,9.905888,89.546730,86.447624

12.2551603,0.580260,9.888938,0.080758,9.906277,89.532906,86.641869

12.2576275,0.589831,9.872188,0.104686,9.890347,89.393532,86.580833

12.2600956,0.606581,9.831510,0.107079,9.850786,89.377174,86.469460

12.2625637,0.628116,9.817153,0.126221,9.838037,89.264877,86.339119

12.2650328,0.659223,9.752547,0.119043,9.775527,89.302254,86.132980

12.2675009,0.704686,9.714262,0.068794,9.740031,89.595314,85.850952

12.2699680,0.723829,9.673584,0.054437,9.700779,89.678482,85.720802

12.2724371,0.745364,9.661619,0.011366,9.690334,89.932800,85.588547

12.2749062,0.790828,9.652048,-0.022134,9.684417,90.130951,85.316010

12.2773743,0.836291,9.687941,-0.079561,9.724295,90.468781,85.066292

12.2798414,0.869791,9.733404,-0.103490,9.772738,90.606750,84.893532

12.2823105,0.881755,9.752547,-0.125025,9.793125,90.731491,84.833771

12.2847795,0.896112,9.754940,-0.139382,9.797005,90.815178,84.751404

12.2872477,0.960718,9.776475,-0.136989,9.824521,90.798935,84.387657

12.2897148,1.010968,9.795618,-0.148953,9.848775,90.866577,84.107590

12.2921839,1.044467,9.802796,-0.148953,9.859407,90.865639,83.918205

12.2946529,1.089931,9.788439,-0.146560,9.850023,90.852547,83.646355

12.2971201,1.173679,9.774082,-0.151346,9.845462,90.880798,83.152664

12.2995882,1.211965,9.754940,-0.129811,9.830796,90.756584,82.917801

12.3020573,1.226322,9.733404,-0.136989,9.811310,90.800011,82.819084

12.3045263,1.295713,9.695119,-0.105882,9.781892,90.620201,82.387756

12.3069935,1.326820,9.661619,-0.105882,9.752873,90.622047,82.180542

12.3094616,1.355534,9.647263,-0.065204,9.742248,90.383484,82.001747

12.3119297,1.369891,9.640084,-0.053240,9.737077,90.313286,81.912209

12.3143997,1.393819,9.632906,-0.079561,9.733547,90.468338,81.766808

12.3168669,1.398605,9.654441,-0.074776,9.755507,90.439178,81.757103

12.3193350,1.391426,9.649655,-0.062812,9.749660,90.369125,81.794823

12.3218031,1.381855,9.654441,-0.079561,9.753158,90.467392,81.854492

12.3242722,1.396212,9.683155,-0.115454,9.783978,90.676125,81.795082

12.3267403,1.381855,9.728619,-0.120239,9.827003,90.701065,81.915771

12.3292084,1.381855,9.754940,-0.139382,9.853314,90.810516,81.937302

12.3316765,1.408176,9.776475,-0.141775,9.878386,90.822334,81.803650

12.3341455,1.398605,9.786046,-0.148953,9.886605,90.863258,81.866463

12.3366137,1.427319,9.807582,-0.153739,9.912090,90.888710,81.719749

12.3390808,1.432104,9.821939,-0.125025,9.926582,90.721657,81.704353

12.3415499,1.453640,9.809975,-0.077169,9.917390,90.445831,81.571259

12.3440189,1.472782,9.824331,-0.019741,9.934132,90.113853,81.474182

12.3464870,1.482354,9.790833,-0.014955,9.902424,90.086533,81.390678

12.3489542,1.499103,9.771689,0.006580,9.886014,89.961861,81.278091

12.3514233,1.499103,9.709476,-0.010169,9.824528,90.059311,81.223068

12.3538923,1.518246,9.704690,-0.074776,9.823017,90.436157,81.108459

12.3563595,1.525424,9.683155,-0.113061,9.803224,90.660805,81.047554

12.3588276,1.534996,9.683155,-0.136989,9.805022,90.800522,80.992294

12.3612967,1.503889,9.683155,-0.144168,9.800303,90.842880,81.171936

12.3637657,1.491925,9.702297,-0.120239,9.817070,90.701775,81.258087

12.3662329,1.463211,9.687941,-0.060419,9.798001,90.353310,81.411285

12.3687010,1.434497,9.702297,-0.017348,9.807786,90.101341,81.589676

12.3711691,1.393819,9.735797,0.001795,9.835064,89.989548,81.852646

12.3736391,1.369891,9.764511,-0.010169,9.860142,90.059090,82.013931

12.3761063,1.362713,9.754940,-0.029312,9.849706,90.170509,82.047554

12.3785744,1.329213,9.762118,-0.022134,9.852221,90.128716,82.246269

12.3810425,1.312463,9.805189,-0.036491,9.892706,90.211342,82.376053

12.3835115,1.305285,9.824331,-0.060419,9.910848,90.349289,82.431870

12.3859797,1.298106,9.807582,-0.074776,9.893398,90.433052,82.460304

12.3884478,1.300499,9.812367,-0.110668,9.898793,90.640579,82.450203

12.3909159,1.300499,9.800404,-0.122632,9.887074,90.710670,82.441093

12.3933849,1.283749,9.805189,-0.172881,9.890381,91.001564,82.540947

12.3958530,1.243071,9.807582,-0.189631,9.887863,91.098900,82.776505

12.3983202,1.221536,9.809975,-0.184846,9.887463,91.071205,82.902077

12.4007893,1.183251,9.790833,-0.165703,9.863465,90.962593,83.109055

12.4032583,1.089931,9.795618,-0.165703,9.857461,90.963181,83.650978

12.4057264,1.013360,9.752547,-0.177667,9.806663,91.038086,84.067841

12.4081936,0.943969,9.735797,-0.144168,9.782516,90.844414,84.461998

12.4106627,0.891326,9.714262,-0.182453,9.756774,91.071503,84.757538

12.4131317,0.826720,9.723833,-0.177667,9.760530,91.042992,85.140396

12.4155989,0.793221,9.714262,-0.170489,9.748085,91.002121,85.331856

12.4180670,0.778864,9.738190,-0.158524,9.770573,90.929649,85.427200

12.4205360,0.774078,9.723833,-0.139382,9.755591,90.818634,85.448494

12.4230051,0.795614,9.711869,-0.093918,9.744857,90.552208,85.316689

12.4254723,0.795614,9.731011,-0.048455,9.763602,90.284348,85.325859

12.4279404,0.838684,9.714262,-0.024526,9.750430,90.144127,85.065582

12.4304085,0.900898,9.728619,0.001795,9.770243,89.989479,84.709335

12.4328785,0.939183,9.709476,0.020937,9.754816,89.877022,84.475052

12.4353456,0.965504,9.716655,0.025723,9.764540,89.849068,84.325378

12.4378138,0.994218,9.721440,0.032901,9.772203,89.807098,84.160629

12.4402819,1.027717,9.702297,0.035294,9.756640,89.792732,83.953484

12.4427519,1.049253,9.709476,0.047258,9.766120,89.722748,83.832275

12.4452190,1.113859,9.719048,0.013759,9.782677,89.919418,83.462097

12.4476871,1.137787,9.685548,0.013759,9.752158,89.919167,83.300018

12.4501553,1.183251,9.714262,0.018544,9.786077,89.891426,83.055267

12.4526243,1.200001,9.719048,0.008973,9.792853,89.947502,82.961372

12.4550924,1.223929,9.740582,0.013759,9.817185,89.919701,82.838173

12.4575596,1.247857,9.731011,0.052044,9.810832,89.696060,82.692551

12.4600286,1.255036,9.747761,0.064008,9.828430,89.626854,82.663460

12.4624977,1.264607,9.735797,0.068794,9.817825,89.598526,82.599144

12.4649668,1.283749,9.723833,0.073579,9.808484,89.570183,82.479248

12.4674330,1.269392,9.726226,0.040080,9.808794,89.765884,82.564224

12.4699020,1.300499,9.723833,0.030508,9.810462,89.821823,82.382271

12.4723711,1.290928,9.723833,-0.000598,9.809151,90.003494,82.437683

12.4748383,1.302892,9.731011,-0.022134,9.817871,90.129166,82.373985

12.4773064,1.298106,9.719048,-0.065204,9.805571,90.381004,82.392418

12.4797754,1.322034,9.719048,-0.079561,9.808873,90.464737,82.253876

12.4822445,1.322034,9.745368,-0.093918,9.835079,90.547142,82.274544

12.4847116,1.348356,9.747761,-0.098704,9.841069,90.574677,82.124557

12.4871798,1.355534,9.778868,-0.103490,9.872914,90.600594,82.108025

12.4896479,1.329213,9.788439,-0.113061,9.878923,90.655746,82.266869

12.4921179,1.324427,9.800404,-0.089133,9.889892,90.516388,82.303673

12.4945850,1.333999,9.812367,-0.101097,9.903148,90.584915,82.258057

12.4970531,1.310070,9.812367,-0.110668,9.900055,90.640495,82.395287

12.4995213,1.314856,9.814760,-0.105882,9.903008,90.612617,82.369675

12.5019913,1.298106,9.781260,-0.117847,9.867726,90.684280,82.440247

12.5044594,1.300499,9.781260,-0.108275,9.867932,90.628685,82.426476

12.5069265,1.286142,9.783653,-0.122632,9.868590,90.712006,82.510941

12.5093946,1.319642,9.764511,-0.127418,9.854104,90.740883,82.303299

12.5118637,1.317249,9.762118,-0.105882,9.851158,90.615837,82.315224

12.5143328,1.300499,9.740582,-0.093918,9.827465,90.547569,82.395218

12.5167999,1.322034,9.714262,-0.110668,9.804433,90.646744,82.250107

12.5192680,1.255036,9.707084,-0.091525,9.788307,90.535751,82.633057

12.5217371,1.252643,9.690333,-0.084347,9.771325,90.494591,82.634377

12.5242062,1.214357,9.699904,-0.086740,9.776008,90.508377,82.864113

12.5266724,1.195215,9.687941,-0.113061,9.762044,90.663597,82.966881

12.5291414,1.164108,9.692726,-0.132203,9.763276,90.775856,83.151512

12.5316105,1.164108,9.692726,-0.151346,9.763554,90.888184,83.151512

12.5340796,1.147358,9.709476,-0.134596,9.777959,90.788719,83.260674

12.5365458,1.144966,9.721440,-0.168096,9.790077,90.983818,83.282799

12.5390148,1.133002,9.709476,-0.141775,9.776386,90.830917,83.344238

12.5414839,1.121037,9.723833,-0.096311,9.788714,90.563744,83.423538

12.5439520,1.094716,9.750154,-0.086740,9.811801,90.506523,83.593842

12.5464191,1.109073,9.721440,-0.060419,9.784686,90.353790,83.491531

12.5488882,1.097109,9.738190,-0.043669,9.799892,90.255318,83.572136

12.5513573,1.077967,9.740582,-0.060419,9.800235,90.353233,83.684914

12.5538254,1.111466,9.731011,-0.091525,9.794708,90.535400,83.483971

12.5562925,1.097109,9.711869,-0.108275,9.774240,90.634712,83.554863

12.5587606,1.113859,9.726226,-0.079561,9.790122,90.465630,83.466881

12.5612307,1.113859,9.726226,-0.089133,9.790204,90.521645,83.466881

12.5636988,1.116252,9.747761,-0.031705,9.811517,90.185143,83.467308

12.5661659,1.113859,9.745368,-0.005384,9.808818,90.031448,83.479607

12.5686340,1.099502,9.757333,0.035294,9.819149,89.794052,83.570763

12.5711031,1.097109,9.757333,0.028116,9.818859,89.835938,83.584641

12.5735722,1.097109,9.740582,0.064008,9.802382,89.625862,83.573700

12.5760393,1.049253,9.750154,0.049651,9.806575,89.709908,83.857811

12.5785074,1.020539,9.762118,0.035294,9.815381,89.793976,84.031937

12.5809765,0.989432,9.790833,0.013759,9.840710,89.919891,84.229454

12.5834455,1.006182,9.795618,-0.007777,9.847162,90.045250,84.135284

12.5859118,0.984646,9.814760,-0.048455,9.864147,90.281448,84.271080

12.5883808,0.994218,9.824331,-0.053240,9.874654,90.308922,84.221367

12.5908499,0.999003,9.817153,-0.091525,9.868277,90.531410,84.189522

12.5933189,1.008575,9.831510,-0.091525,9.883531,90.530586,84.142746

12.5957851,1.049253,9.833903,-0.077169,9.890022,90.447067,83.909729

12.5982542,1.046860,9.826724,-0.062812,9.882528,90.364166,83.919106

12.6007233,1.087538,9.809975,-0.053240,9.870217,90.309059,83.673996

12.6031914,1.097109,9.817153,-0.031705,9.878318,90.183891,83.623405

12.6056585,1.130609,9.790833,-0.036491,9.855964,90.212128,83.412872

12.6081276,1.144966,9.766904,-0.055633,9.833943,90.324135,83.313782

12.6105967,1.164108,9.709476,-0.053240,9.779158,90.311935,83.163216

12.6130648,1.197608,9.726226,-0.077169,9.799985,90.451172,82.980400

12.6155319,1.226322,9.699904,-0.117847,9.777826,90.690567,82.794540

12.6180000,1.233500,9.680762,-0.139382,9.760026,90.818260,82.738632

12.6204700,1.274178,9.673584,-0.160917,9.758466,90.944855,82.496353

12.6229382,1.278964,9.692726,-0.206381,9.778920,91.209297,82.483192

12.6254053,1.317249,9.699904,-0.215952,9.791319,91.263786,82.266533

12.6278734,1.341177,9.714262,-0.215952,9.808786,91.261536,82.139282

12.6303434,1.343570,9.750154,-0.184846,9.844027,91.075928,82.154060

12.6328115,1.365105,9.764511,-0.163310,9.860825,90.948952,82.041473

12.6352787,1.369891,9.745368,-0.144168,9.842235,90.839287,81.998451

12.6377468,1.377069,9.728619,-0.115454,9.826275,90.673210,81.943405

12.6402159,1.410569,9.714262,-0.091525,9.816566,90.534210,81.738052

12.6426849,1.400998,9.704690,-0.072383,9.805562,90.422951,81.785362

12.6451511,1.422533,9.675977,-0.065204,9.780203,90.381996,81.636459

12.6476202,1.434497,9.664013,-0.081954,9.770243,90.480614,81.556839

12.6500893,1.436890,9.661619,-0.098704,9.768382,90.578949,81.540894

12.6525583,1.424926,9.668798,-0.117847,9.773943,90.690842,81.616463

12.6550245,1.463211,9.671191,-0.091525,9.781682,90.536118,81.396637

12.6574936,1.465604,9.704690,-0.091525,9.815161,90.534286,81.412079

12.6599627,1.441676,9.716655,-0.065204,9.823241,90.380318,81.560501

12.6624308,1.403391,9.723833,-0.069990,9.824833,90.408165,81.787506

12.6648979,1.386641,9.750154,-0.041276,9.848350,90.240135,81.905830

12.6673670,1.377069,9.766904,-0.038883,9.863582,90.225868,81.974571

12.6698360,1.336391,9.762118,-0.041276,9.853253,90.240021,82.204910

12.6723042,1.317249,9.771689,-0.034098,9.860133,90.198135,82.322662

12.6747713,1.319642,9.752547,-0.053240,9.841568,90.309959,82.293968

12.6772394,1.290928,9.769297,-0.046062,9.854327,90.267815,82.472473

12.6797094,1.267000,9.766904,-0.046062,9.848848,90.267967,82.608650

12.6821775,1.219143,9.764511,-0.077169,9.840628,90.449310,82.883194

12.6846447,1.219143,9.769297,-0.074776,9.845357,90.435165,82.886642

12.6871128,1.200001,9.762118,-0.060419,9.835782,90.351959,82.992119

12.6895828,1.185644,9.757333,-0.067597,9.829337,90.394028,83.071777

12.6920509,1.142573,9.747761,-0.062812,9.814696,90.366684,83.314644

12.6945181,1.123430,9.726226,-0.048455,9.791012,90.283554,83.411232

12.6969862,1.106681,9.728619,-0.053240,9.791507,90.311539,83.510208

12.6994553,1.061217,9.745368,-0.053240,9.803123,90.311172,83.785294

12.7019243,1.034896,9.750154,-0.050847,9.805056,90.297127,83.941223

12.7043905,1.042074,9.745368,-0.029312,9.800968,90.171356,83.896545

12.7068596,1.032503,9.721440,-0.017348,9.776133,90.101669,83.937408

12.7093287,1.030110,9.716655,-0.026919,9.771143,90.157852,83.948395

12.7117977,1.058824,9.690333,-0.024526,9.748039,90.144157,83.764259

12.7142639,1.080359,9.695119,-0.048455,9.755248,90.284592,83.641571

12.7167330,1.056431,9.685548,-0.053240,9.743137,90.313087,83.775185

12.7192020,1.070788,9.680762,-0.060419,9.739989,90.355415,83.688179

12.7216711,1.092324,9.711869,-0.091525,9.773533,90.536560,83.582741

12.7241373,1.089931,9.766904,-0.113061,9.828181,90.659134,83.632462

12.7266064,1.130609,9.781260,-0.115454,9.847064,90.671791,83.406487

12.7290754,1.125823,9.805189,-0.122632,9.870372,90.711876,83.450035

12.7315435,1.154537,9.802796,-0.079561,9.870872,90.461823,83.282860

12.7340107,1.161715,9.805189,-0.050847,9.873900,90.295059,83.243118

12.7364788,1.152144,9.769297,-0.046062,9.837109,90.268288,83.273880

12.7389488,1.183251,9.759726,-0.038883,9.831268,90.226608,83.087303

12.7414169,1.176072,9.719048,-0.058026,9.790117,90.339592,83.100357

12.7438841,1.156930,9.702297,-0.072383,9.771300,90.424431,83.199997

12.7463522,1.164108,9.685548,-0.110668,9.755882,90.649963,83.146484

12.7488222,1.089931,9.707084,-0.103490,9.768630,90.607010,83.593552

12.7512903,1.087538,9.690333,-0.117847,9.751881,90.692406,83.596535

12.7537575,1.030110,9.716655,-0.081954,9.771449,90.480553,83.948395

12.7562256,0.987039,9.707084,-0.050847,9.757269,90.298584,84.193985

12.7586946,0.960718,9.695119,-0.017348,9.742619,90.102020,84.340866

12.7611637,0.936790,9.711869,0.011366,9.756952,89.933258,84.490395

12.7636299,0.924826,9.709476,0.061615,9.753616,89.638054,84.558998

12.7660990,0.915255,9.731011,0.133400,9.774869,89.218048,84.626823

12.7685680,0.898505,9.721440,0.128614,9.763721,89.245239,84.719437

12.7710371,0.941576,9.714262,0.159721,9.761095,89.062424,84.463776

12.7735033,0.960718,9.690333,0.145364,9.738926,89.144768,84.338089

12.7759724,0.987039,9.678370,0.119043,9.729299,89.298943,84.176880

12.7784414,1.042074,9.678370,0.073579,9.734587,89.566925,83.854614

12.7809105,1.058824,9.685548,0.011366,9.743258,89.933159,83.761200

12.7833767,1.106681,9.719048,-0.029312,9.781896,90.171692,83.503868

12.7858458,1.135394,9.759726,-0.053240,9.825691,90.310455,83.364342

12.7883148,1.142573,9.783653,-0.084347,9.850506,90.490616,83.338951

12.7907829,1.176072,9.812367,-0.053240,9.882740,90.308662,83.165352

12.7932501,1.204786,9.821939,-0.046062,9.895660,90.266701,83.006874

12.7957182,1.219143,9.845867,-0.036491,9.921126,90.210739,82.941399

12.7981882,1.223929,9.838689,-0.029312,9.914568,90.169395,82.908859

12.8006563,1.250250,9.819546,-0.048455,9.898937,90.280457,82.743996

12.8031235,1.247857,9.795618,-0.067597,9.875011,90.392212,82.740234

12.8055916,1.247857,9.781260,-0.127418,9.861361,90.740334,82.729691

12.8080616,1.245464,9.776475,-0.151346,9.856649,90.879791,82.739967

12.8105297,1.252643,9.774082,-0.180060,9.855670,91.046837,82.696808

12.8129969,1.223929,9.769297,-0.213559,9.847982,91.242592,82.859009

12.8154650,1.211965,9.776475,-0.203988,9.853422,91.186234,82.933243

12.8179340,1.171287,9.769297,-0.196810,9.841229,91.145905,83.163177

12.8204031,1.154537,9.762118,-0.175274,9.831716,91.021492,83.255127

12.8228703,1.152144,9.778868,-0.168096,9.847941,90.978035,83.280403

12.8253384,1.130609,9.781260,-0.201595,9.848451,91.172913,83.406487

12.8278074,1.144966,9.764511,-0.249452,9.834574,91.453453,83.312157

12.8302765,1.161715,9.788439,-0.268594,9.860794,91.560852,83.231659

12.8327427,1.159323,9.788439,-0.261416,9.860320,91.519196,83.245468

12.8352118,1.192822,9.790833,-0.263809,9.866754,91.532104,83.053856

12.8376808,1.216750,9.774082,-0.261416,9.852995,91.520325,82.903900

12.8401499,1.221536,9.774082,-0.251845,9.853337,91.464600,82.876282

12.8426161,1.269392,9.759726,-0.247059,9.845031,91.437973,82.589462

12.8450851,1.314856,9.757333,-0.220738,9.848001,91.284363,82.325302

12.8475542,1.312463,9.752547,-0.235095,9.843272,91.368568,82.335388

12.8500223,1.336391,9.735797,-0.220738,9.829569,91.286774,82.184097

12.8524895,1.326820,9.750154,-0.225524,9.842603,91.312935,82.250679

12.8549585,1.343570,9.711869,-0.223131,9.806905,91.303726,82.123520

12.8574276,1.343570,9.704690,-0.220738,9.799741,91.290688,82.117767

12.8598957,1.350748,9.704690,-0.213559,9.800569,91.248604,82.076187

12.8623629,1.331606,9.690333,-0.213559,9.783729,91.250755,82.175652

12.8648310,1.312463,9.685548,-0.192024,9.775953,91.125504,82.283005

12.8673010,1.298106,9.711869,-0.177667,9.799850,91.038803,82.386864

12.8697691,1.283749,9.699904,-0.168096,9.785930,90.984238,82.460915

12.8722363,1.295713,9.731011,-0.144168,9.817955,90.841362,82.415512

12.8747044,1.302892,9.714262,-0.144168,9.802306,90.842712,82.360985

12.8771734,1.274178,9.731011,-0.113061,9.814728,90.660034,82.540138

12.8796425,1.271785,9.757333,-0.072383,9.840134,90.421463,82.573845

12.8821096,1.233500,9.738190,-0.034098,9.816059,90.199028,82.780998

12.8845778,1.202393,9.738190,-0.002991,9.812140,90.017464,82.961205

12.8870468,1.185644,9.740582,0.023330,9.812504,89.863777,83.059982

12.8895159,1.159323,9.747761,0.032901,9.816514,89.807968,83.217545

12.8919821,1.130609,9.745368,0.049651,9.810858,89.710037,83.382416

12.8944511,1.125823,9.707084,0.016152,9.772165,89.905304,83.384422

12.8969202,1.125823,9.699904,0.047258,9.765135,89.722717,83.379570

12.8993893,1.130609,9.687941,0.025723,9.753724,89.848900,83.343536

12.9018555,1.166501,9.690333,0.004187,9.760292,89.975418,83.135887

12.9043245,1.147358,9.685548,0.001795,9.753269,89.989456,83.244179

12.9067936,1.140180,9.695119,-0.007777,9.761936,90.045647,83.292625

12.9092617,1.147358,9.735797,-0.024526,9.803203,90.143349,83.278725

12.9117289,1.092324,9.735797,-0.010169,9.796888,90.059471,83.598381

12.9141979,1.070788,9.776475,-0.012562,9.834949,90.073181,83.749481

12.9166670,1.039681,9.795618,-0.026919,9.850675,90.156570,83.941460

12.9191351,0.989432,9.817153,-0.022134,9.866912,90.128525,84.244820

12.9216022,0.943969,9.809975,-0.010169,9.855292,90.059120,84.503616

12.9240704,0.898505,9.824331,-0.055633,9.865490,90.323105,84.774429

12.9265404,0.853041,9.824331,-0.093918,9.861743,90.545662,85.037483

12.9290085,0.814756,9.829117,-0.101097,9.863345,90.587280,85.261467

12.9314756,0.790828,9.843474,-0.141775,9.876209,90.822517,85.406708

12.9339437,0.762114,9.824331,-0.117847,9.854551,90.685196,85.564217

12.9364138,0.735793,9.836296,-0.103490,9.864321,90.601120,85.722023

12.9388819,0.731007,9.826724,-0.113061,9.854525,90.657372,85.745621

12.9413500,0.728615,9.783653,-0.096311,9.811219,90.562447,85.740891

12.9438171,0.769292,9.793225,-0.103490,9.823939,90.603592,85.508438

12.9462862,0.783649,9.798011,-0.117847,9.830006,90.686905,85.427193

12.9487553,0.812363,9.788439,-0.110668,9.822715,90.645538,85.255775

12.9512215,0.867398,9.795618,-0.115454,9.834624,90.672638,84.939682

12.9536905,0.893719,9.793225,-0.141775,9.834943,90.825974,84.785690

12.9561596,0.965504,9.766904,-0.151346,9.815677,90.883469,84.354385

12.9586287,1.015753,9.757333,-0.160917,9.811380,90.939758,84.056831

12.9610949,1.070788,9.750154,-0.163310,9.810136,90.953850,83.732742

12.9635639,1.123430,9.766904,-0.125025,9.832097,90.728592,83.438438

12.9660330,1.123430,9.752547,-0.105882,9.817611,90.617943,83.428864

12.9685020,1.144966,9.723833,-0.079561,9.791333,90.465576,83.284439

12.9709682,1.142573,9.709476,-0.041276,9.776559,90.241898,83.288528

12.9734373,1.123430,9.697512,-0.058026,9.762540,90.340553,83.391899

12.9759064,1.123430,9.707084,-0.038883,9.771954,90.227982,83.398354

12.9783745,1.089931,9.711869,-0.012562,9.772846,90.073647,83.596680

12.9808426,1.056431,9.695119,-0.010169,9.752512,90.059746,83.781288

12.9833097,1.027717,9.680762,-0.005384,9.735163,90.031685,83.940132

12.9857798,0.941576,9.704690,-0.034098,9.750319,90.200371,84.458351

12.9882479,0.905683,9.723833,-0.074776,9.766206,90.438690,84.678787

12.9907160,0.841077,9.738190,-0.077169,9.774749,90.452339,85.063675

12.9931831,0.809970,9.745368,-0.062812,9.779171,90.368011,85.248871

12.9956532,0.752543,9.776475,-0.053240,9.805540,90.311096,85.598343

12.9981213,0.683151,9.786046,-0.036491,9.809930,90.213127,86.006737

13.0005894,0.678365,9.814760,-0.019741,9.838196,90.114967,86.046188

13.0030565,0.630509,9.805189,-0.010169,9.825446,90.059303,86.320740

13.0055256,0.587438,9.819546,0.008973,9.837106,89.947739,86.576454

13.0079947,0.606581,9.807582,-0.014955,9.826333,90.087204,86.460869

13.0104609,0.613759,9.812367,-0.005384,9.831546,90.031372,86.420837

13.0129299,0.632902,9.812367,0.013759,9.832767,89.919830,86.309509

13.0153990,0.678365,9.812367,0.004187,9.835790,89.975609,86.045227

13.0178680,0.716650,9.812367,0.016152,9.838516,89.905937,85.822792

13.0203352,0.747757,9.764511,-0.012562,9.793109,90.073494,85.620888

13.0228033,0.774078,9.750154,-0.048455,9.780954,90.283844,85.460732

13.0252724,0.805185,9.778868,-0.074776,9.812245,90.436638,85.292923

13.0277414,0.836291,9.802796,-0.110668,9.839026,90.644470,85.123817

13.0302086,0.908076,9.814760,-0.148953,9.857804,90.865784,84.713959

13.0326767,0.946361,9.805189,-0.153739,9.851953,90.894135,84.487091

13.0351458,1.008575,9.824331,-0.177667,9.877563,91.030632,84.138496

13.0376139,1.044467,9.809975,-0.187238,9.867197,91.087303,83.922615

13.0400820,1.092324,9.793225,-0.184846,9.855689,91.074661,83.635612

13.0425501,1.149751,9.807582,-0.182453,9.876431,91.058517,83.313683

13.0450191,1.161715,9.795618,-0.182453,9.865952,91.059639,83.236572

13.0474873,1.178465,9.750154,-0.218345,9.823542,91.273605,83.108299

13.0499554,1.228714,9.699904,-0.261416,9.780911,91.531532,82.780632

13.0524225,1.211965,9.637691,-0.333201,9.719309,91.964615,82.832527

13.0548925,1.240679,9.604192,-0.428913,9.693490,92.536026,82.639244

13.0573606,1.235893,9.577870,-0.500698,9.670250,92.967941,82.647392

13.0598288,1.209572,9.594621,-0.538983,9.685573,93.190048,82.814758

13.0622959,1.209572,9.616156,-0.546162,9.707307,93.225334,82.830681

13.0647650,1.209572,9.666406,-0.560519,9.757901,93.293030,82.867569

13.0672340,1.197608,9.661619,-0.546162,9.750869,93.210907,82.933937

13.0697021,1.221536,9.683155,-0.503091,9.772857,92.950798,82.810081

13.0721693,1.238286,9.644870,-0.467199,9.735252,92.750702,82.683929

13.0746384,1.257428,9.637691,-0.400200,9.727609,92.357849,82.566612

13.0771074,1.293321,9.613763,-0.342772,9.706421,92.023758,82.338112

13.0795746,1.336391,9.616156,-0.275773,9.712489,91.627052,82.088074

13.0820427,1.424926,9.625728,-0.206381,9.732813,91.215027,81.579483

13.0845118,1.484746,9.637691,-0.151346,9.752563,90.889183,81.242081

13.0869808,1.539781,9.659226,-0.074776,9.781470,90.438011,80.942665

13.0894480,1.568495,9.683155,-0.010169,9.809372,90.059402,80.799042

13.0919161,1.630709,9.726226,0.047258,9.862095,89.725441,80.482254

13.0943851,1.668994,9.723833,0.111864,9.866660,89.350388,80.260681

13.0968533,1.645066,9.742975,0.135793,9.881814,89.212639,80.416214

13.0993214,1.645066,9.738190,0.157328,9.877415,89.087349,80.411591

13.1017895,1.645066,9.769297,0.138186,9.907800,89.200859,80.441559

13.1042585,1.575674,9.781260,0.140578,9.908359,89.187065,80.848778

13.1067266,1.546960,9.764511,0.097508,9.886772,89.434914,80.997635

13.1091948,1.506282,9.793225,0.085543,9.908757,89.505356,81.255943

13.1116619,1.456033,9.759726,0.056830,9.867903,89.670029,81.514748

13.1141319,1.412962,9.786046,0.047258,9.887638,89.726151,81.784103

13.1166000,1.343570,9.790833,0.049651,9.882715,89.712143,82.186256

13.1190681,1.283749,9.793225,0.064008,9.877214,89.628700,82.531937

13.1215353,1.240679,9.814760,0.030508,9.892914,89.823303,82.795486

13.1240044,1.185644,9.800404,0.059222,9.872040,89.656281,83.101936

13.1264734,1.137787,9.788439,0.056830,9.854508,89.669579,83.369812

13.1289415,1.111466,9.786046,0.035294,9.849025,89.794678,83.520302

13.1314087,1.073181,9.793225,0.016152,9.851865,89.906067,83.746254

13.1338778,1.075574,9.786046,-0.031705,9.845027,90.184517,83.727859

13.1363468,1.066002,9.774082,-0.058026,9.832212,90.338142,83.775681

13.1388140,1.070788,9.783653,-0.125025,9.842870,90.727798,83.754028

13.1412821,1.063610,9.781260,-0.146560,9.840010,90.853416,83.794067

13.1437511,1.087538,9.764511,-0.215952,9.827261,91.259163,83.644783

13.1462202,1.125823,9.762118,-0.244666,9.829867,91.426247,83.421387

13.1486874,1.125823,9.771689,-0.242273,9.839314,91.410934,83.427773

13.1511555,1.168894,9.781260,-0.218345,9.853276,91.269760,83.185280

13.1536245,1.173679,9.774082,-0.199202,9.846313,91.159241,83.152664

13.1560926,1.195215,9.769297,-0.213559,9.844456,91.243034,83.024872

13.1585608,1.209572,9.757333,-0.203988,9.834135,91.188560,82.933357

13.1610289,1.221536,9.759726,-0.201595,9.837938,91.174164,82.865906

13.1634979,1.257428,9.750154,-0.196810,9.832872,91.146881,82.651413

13.1659660,1.276571,9.774082,-0.194417,9.859012,91.129929,82.558846

13.1684341,1.322034,9.733404,-0.182453,9.824471,91.064117,82.265167

13.1709013,1.357927,9.742975,-0.172881,9.838670,91.006828,82.065514

13.1733713,1.355534,9.742975,-0.196810,9.838789,91.146187,82.079323

13.1758394,1.374677,9.776475,-0.187238,9.874424,91.086502,81.996078

13.1783075,1.400998,9.774082,-0.189631,9.875800,91.100235,81.842896

13.1807747,1.393819,9.762118,-0.199202,9.863132,91.157265,81.874321

13.1832447,1.408176,9.757333,-0.192024,9.860293,91.115875,81.787788

13.1857128,1.410569,9.764511,-0.199202,9.867881,91.156708,81.779991

13.1881809,1.434497,9.754940,-0.206381,9.862009,91.199112,81.634415

13.1906481,1.439283,9.757333,-0.180060,9.864558,91.045891,81.608932

13.1931171,1.422533,9.740582,-0.192024,9.845781,91.117523,81.691154

13.1955862,1.403391,9.750154,-0.187238,9.852415,91.088936,81.809372

13.1980534,1.405783,9.714262,-0.153739,9.816657,90.897346,81.765701

13.2005215,1.408176,9.709476,-0.129811,9.811919,90.758041,81.747864

13.2029905,1.415355,9.685548,-0.077169,9.788719,90.451691,81.686180

13.2054596,1.408176,9.668798,-0.046062,9.770913,90.270103,81.713631

13.2079268,1.429712,9.625728,-0.029312,9.731370,90.172585,81.551613

13.2103949,1.410569,9.661619,-0.010169,9.764051,90.059677,81.693665

13.2128639,1.441676,9.635299,-0.000598,9.742557,90.003517,81.490280

13.2153330,1.400998,9.652048,-0.031705,9.753247,90.186249,81.741180

13.2178001,1.429712,9.661619,-0.050847,9.766962,90.298286,81.582542

13.2202682,1.439283,9.702297,-0.093918,9.808921,90.548599,81.562019

13.2227373,1.446461,9.714262,-0.125025,9.822157,90.729332,81.530838

13.2252054,1.446461,9.733404,-0.103490,9.840839,90.602554,81.547256

13.2276735,1.456033,9.754940,-0.081954,9.863346,90.476074,81.510643

13.2301407,1.465604,9.778868,-0.108275,9.888679,90.627365,81.476265

13.2326107,1.453640,9.786046,-0.127418,9.894240,90.737877,81.550949

13.2350788,1.429712,9.805189,-0.139382,9.909855,90.805893,81.704071

13.2375469,1.389034,9.798011,-0.180060,9.897618,91.042397,81.931122

13.2400141,1.365105,9.788439,-0.220738,9.885634,91.279472,82.060684

13.2424841,1.329213,9.781260,-0.273380,9.874949,91.586388,82.261261

13.2449522,1.298106,9.795618,-0.299701,9.885799,91.737267,82.451202

13.2474203,1.271785,9.774082,-0.333201,9.862106,91.936157,82.586433

13.2498875,1.223929,9.757333,-0.337986,9.839602,91.968475,82.850342

13.2523565,1.209572,9.774082,-0.364307,9.855378,92.118439,82.945343

13.2548256,1.142573,9.742975,-0.402592,9.818000,92.350105,83.311394

13.2572937,1.128216,9.740582,-0.421735,9.814769,92.462723,83.393082

13.2597609,1.106681,9.731011,-0.409771,9.802308,92.395866,83.511787

13.2622299,1.104288,9.726226,-0.419342,9.797692,92.453011,83.522537

13.2646990,1.116252,9.711869,-0.390628,9.783609,92.288246,83.443375

13.2671661,1.123430,9.695119,-0.400200,9.768192,92.348045,83.390282

13.2696342,1.166501,9.690333,-0.361914,9.766998,92.123573,83.135887

13.2721033,1.185644,9.642477,-0.333201,9.720810,91.964317,82.990074

13.2745724,1.214357,9.635299,-0.306879,9.716369,91.809914,82.816765

13.2770395,1.274178,9.659226,-0.304487,9.747661,91.790031,82.485329

13.2795076,1.317249,9.632906,-0.256630,9.725939,91.511993,82.213402

13.2819767,1.317249,9.632906,-0.235095,9.725394,91.385162,82.213402

13.2844448,1.357927,9.635299,-0.227916,9.733185,91.341782,81.977997

13.2869129,1.372284,9.661619,-0.237488,9.761478,91.394089,81.916092

13.2893820,1.415355,9.690333,-0.232702,9.795915,91.361191,81.690231

13.2918501,1.424926,9.692726,-0.237488,9.799783,91.388641,81.636864

13.2943182,1.465604,9.690333,-0.223131,9.803079,91.304237,81.399544

13.2967863,1.458425,9.685548,-0.230309,9.797442,91.346977,81.436882

13.2992535,1.475175,9.723833,-0.206381,9.837259,91.202126,81.373596

13.3017235,1.472782,9.731011,-0.220738,9.844308,91.284843,81.393639

13.3041916,1.479961,9.745368,-0.218345,9.859521,91.268951,81.364868

13.3066597,1.475175,9.793225,-0.227916,9.906329,91.318329,81.433815

13.3091269,1.460818,9.783653,-0.249452,9.895256,91.444534,81.507782

13.3115959,1.420140,9.802796,-0.225524,9.907698,91.304306,81.756859

13.3140650,1.384248,9.812367,-0.206381,9.911674,91.193100,81.970169

13.3165331,1.365105,9.795618,-0.172881,9.891790,91.001427,82.066429

13.3190002,1.329213,9.778868,-0.175274,9.870349,91.017494,82.259392

13.3214693,1.274178,9.745368,-0.156132,9.829553,90.910118,82.551003

13.3239384,1.245464,9.752547,-0.132203,9.832642,90.770386,82.722343

13.3264055,1.188036,9.723833,-0.120239,9.796878,90.703224,83.034248

13.3288746,1.142573,9.714262,-0.105882,9.781798,90.620209,83.291801

13.3313427,1.133002,9.699904,-0.079561,9.766174,90.466774,83.337730

13.3338118,1.061217,9.719048,-0.058026,9.776985,90.340050,83.768593

13.3362789,1.030110,9.723833,-0.036491,9.778313,90.213814,83.952835

13.3387480,0.999003,9.702297,0.004187,9.753594,89.975403,84.121216

13.3412161,0.967897,9.714262,0.018544,9.762380,89.891159,84.310020

13.3436842,0.910469,9.709476,0.032901,9.752127,89.806694,84.642975

13.3461523,0.905683,9.721440,0.068794,9.763780,89.596298,84.677490

13.3486214,0.898505,9.742975,0.049651,9.784444,89.709251,84.731041

13.3510895,0.891326,9.764511,0.052044,9.805246,89.695885,84.784370

13.3535576,0.886541,9.778868,0.018544,9.818990,89.891792,84.819794

13.3560257,0.915255,9.788439,0.016152,9.831149,89.905869,84.658165

13.3584929,0.924826,9.793225,-0.010169,9.836802,90.059235,84.605255

13.3609629,0.963111,9.805189,-0.041276,9.852463,90.240036,84.390137

13.3634310,0.977468,9.824331,-0.055633,9.872995,90.322853,84.318077

13.3658991,0.982254,9.845867,-0.093918,9.895187,90.543823,84.302849

13.3683672,0.991825,9.893723,-0.093918,9.943757,90.541161,84.275345

13.3708363,1.013360,9.886545,-0.108275,9.938933,90.624199,84.147682

13.3733044,1.022932,9.898509,-0.108275,9.951814,90.623390,84.099884

13.3757725,1.010968,9.891331,-0.103490,9.943399,90.596336,84.164207

13.3782406,1.018146,9.876974,-0.077169,9.929612,90.445282,84.114578

13.3807087,0.999003,9.845867,-0.062812,9.896618,90.363647,84.206352

13.3831778,1.025324,9.814760,-0.074776,9.868455,90.434151,84.036079

13.3856449,1.001396,9.735797,-0.091525,9.787590,90.535789,84.127373

13.3881140,0.977468,9.695119,-0.115454,9.744953,90.678833,84.242859

13.3905821,0.946361,9.649655,-0.139382,9.696952,90.823586,84.398796

13.3930511,0.891326,9.642477,-0.170489,9.685086,91.008644,84.718727

13.3955183,0.867398,9.616156,-0.168096,9.656660,90.997414,84.845741

13.3979874,0.814756,9.625728,-0.153739,9.661371,90.911774,85.161812

13.4004555,0.754936,9.618548,-0.136989,9.649102,90.813461,85.512199

13.4029236,0.704686,9.611370,-0.038883,9.637247,90.231171,85.806694

13.4053917,0.687936,9.625728,0.080758,9.650618,89.520538,85.912109

13.4078608,0.680758,9.625728,0.183649,9.651518,88.909706,85.954620

13.4103289,0.683151,9.628120,0.253041,9.655643,88.498306,85.941452

13.4127970,0.702293,9.659226,0.305683,9.689547,88.192146,85.841515

13.4152651,0.728615,9.678370,0.291326,9.710128,88.280739,85.694733

13.4177332,0.762114,9.721440,0.255434,9.754613,88.499481,85.517456

13.4202023,0.807578,9.745368,0.233898,9.781569,88.629807,85.262848

13.4226704,0.886541,9.783653,0.255434,9.827059,88.510551,84.822311

13.4251385,0.960718,9.819546,0.224327,9.868980,88.697525,84.412117

13.4276066,0.987039,9.862617,0.183649,9.913586,88.938538,84.284935

13.4300756,1.013360,9.881760,0.133400,9.934479,89.230614,84.144867

13.4325438,0.991825,9.896116,0.121436,9.946436,89.300461,84.276718

13.4350119,0.984646,9.934402,0.066401,9.983300,89.618912,84.339622

13.4374800,0.927219,9.924830,-0.000598,9.968048,90.003441,84.662682

13.4399481,0.850648,9.900902,-0.058026,9.937546,90.334557,85.089417

13.4424171,0.807578,9.920045,-0.098704,9.953352,90.568192,85.345894

13.4448843,0.726222,9.896116,-0.120239,9.923456,90.694252,85.802902

13.4473534,0.659223,9.872188,-0.146560,9.895259,90.848648,86.179703

13.4498215,0.623330,9.826724,-0.182453,9.848164,91.061554,86.370468

13.4522905,0.597009,9.802796,-0.218345,9.823386,91.273621,86.514877

13.4547577,0.599402,9.771689,-0.299701,9.794642,91.753433,86.489838

13.4572268,0.604188,9.771689,-0.371486,9.797396,92.172989,86.461884

13.4596949,0.575474,9.740582,-0.424128,9.766781,92.488884,86.618896

13.4621639,0.585045,9.776475,-0.464806,9.804988,92.717125,86.575378

13.4646311,0.594616,9.802796,-0.433699,9.830385,92.528610,86.528816

13.4671001,0.587438,9.824331,-0.433699,9.851430,92.523201,86.578117

13.4695683,0.561117,9.814760,-0.433699,9.840349,92.526047,86.727921

13.4720364,0.563510,9.817153,-0.436092,9.842978,92.539314,86.714798

13.4745045,0.532403,9.807582,-0.412164,9.830666,92.402908,86.892761

13.4769735,0.527617,9.805189,-0.438485,9.829160,92.556847,86.919884

13.4794416,0.503689,9.800404,-0.450449,9.823671,92.628128,87.057884

13.4819098,0.510868,9.783653,-0.481556,9.808810,92.814018,87.010933

13.4843779,0.527617,9.790833,-0.534198,9.819580,93.118500,86.915375

13.4868460,0.580260,9.800404,-0.598804,9.835811,93.490326,86.611603

13.4893150,0.625723,9.788439,-0.632303,9.828778,93.688492,86.342361

13.4917831,0.704686,9.817153,-0.677767,9.865721,93.939278,85.894287

13.4942513,0.814756,9.805189,-0.656232,9.860842,93.815811,85.249954

13.4967194,0.972682,9.817153,-0.644267,9.886237,93.736504,84.341606

13.4991875,1.080359,9.821939,-0.589233,9.898729,93.412613,83.723015

13.5016565,1.219143,9.838689,-0.519841,9.927555,93.001579,82.936302

13.5041246,1.326820,9.819546,-0.486341,9.920709,92.809929,82.304779

13.5065928,1.439283,9.778868,-0.443270,9.894154,92.567780,81.627151

13.5090609,1.534996,9.774082,-0.385843,9.901402,92.233292,81.074738

13.5115299,1.635494,9.742975,-0.340379,9.885154,91.973274,80.470947

13.5139971,1.738386,9.690333,-0.311665,9.849958,91.813217,79.829674

13.5164661,1.800599,9.690333,-0.294915,9.860613,91.713882,79.473694

13.5189342,1.877169,9.659226,-0.318844,9.845104,91.855904,79.002251

13.5214033,1.968097,9.632906,-0.330808,9.837465,91.927071,78.452835

13.5238705,2.003989,9.628120,-0.328415,9.839946,91.912643,78.242371

13.5263395,2.051845,9.635299,-0.323629,9.856662,91.881561,77.978386

13.5288076,2.087738,9.632906,-0.282951,9.860608,91.644333,77.771423

13.5312757,2.094916,9.630513,-0.299701,9.860288,91.741760,77.727692

13.5337439,2.123630,9.640084,-0.263809,9.874746,91.530869,77.576645

13.5362129,2.087738,9.635299,-0.282951,9.862946,91.643944,77.774368

13.5386810,2.087738,9.632906,-0.311665,9.861474,91.811096,77.771423

13.5411491,2.047060,9.632906,-0.326022,9.853407,91.896103,78.002716

13.5436172,2.025524,9.647263,-0.321236,9.862841,91.866478,78.142502

13.5460854,1.987239,9.635299,-0.306879,9.842879,91.786644,78.346397

13.5485544,1.922633,9.642477,-0.270987,9.836021,91.578728,78.723564

13.5510225,1.814956,9.685548,-0.247059,9.857227,91.436195,79.386543

13.5534906,1.716850,9.709476,-0.206381,9.862257,91.199081,79.972488

13.5559587,1.633101,9.716655,-0.125025,9.853732,90.726990,80.459328

13.5584269,1.487139,9.695119,-0.053240,9.808657,90.310997,81.279343

13.5608959,1.381855,9.709476,-0.022134,9.807342,90.129311,81.900047

13.5633640,1.271785,9.704690,-0.038883,9.787745,90.227615,82.534019

13.5658321,1.154537,9.695119,-0.038883,9.763698,90.228180,83.208946

13.5683002,1.077967,9.675977,-0.041276,9.735925,90.242912,83.643089

13.5707693,0.991825,9.678370,-0.091525,9.729487,90.538994,84.148842

13.5732365,0.896112,9.683155,-0.115454,9.725217,90.680206,84.712715

13.5757055,0.853041,9.711869,-0.136989,9.750223,90.805023,84.980309

13.5781736,0.778864,9.750154,-0.163310,9.782578,90.956535,85.432785

13.5806427,0.721436,9.781260,-0.144168,9.808889,90.842140,85.781677

13.5831099,0.647259,9.802796,-0.091525,9.824568,90.533775,86.222359

13.5855789,0.608973,9.826724,-0.077169,9.845878,90.449066,86.453850

13.5880470,0.563510,9.886545,-0.074776,9.902874,90.432640,86.737808

13.5905151,0.515653,9.881760,-0.065204,9.895419,90.377548,87.012878

13.5929832,0.525225,9.893723,-0.053240,9.907798,90.307884,86.961212

13.5954523,0.474975,9.886545,-0.072383,9.898212,90.418991,87.249474

13.5979214,0.484547,9.874580,-0.043669,9.886559,90.253075,87.190742

13.6003885,0.484547,9.855438,-0.048455,9.867461,90.281357,87.185295

13.6028566,0.520439,9.831510,-0.067597,9.845508,90.393387,86.969833

13.6053247,0.537189,9.805189,-0.069990,9.820143,90.408363,86.864120

13.6077948,0.539581,9.790833,-0.091525,9.806117,90.534775,86.845573

13.6102619,0.597009,9.747761,-0.096311,9.766500,90.565025,86.495255

13.6127300,0.608973,9.750154,-0.101097,9.769677,90.592911,86.426071

13.6151981,0.683151,9.740582,-0.067597,9.764743,90.396637,85.988159

13.6176682,0.690329,9.728619,-0.038883,9.753158,90.228424,85.941177

13.6201353,0.771685,9.740582,-0.022134,9.771128,90.129784,85.470276

13.6226034,0.838684,9.747761,0.013759,9.783784,89.919426,85.082458

13.6250715,0.893719,9.740582,0.037687,9.781569,89.779243,84.757668

13.6275396,0.955933,9.731011,0.025723,9.777886,89.849274,84.389511

13.6300087,1.018146,9.711869,0.037687,9.765164,89.778877,84.015244

13.6324759,1.068395,9.702297,0.068794,9.761188,89.596191,83.716034

13.6349449,1.154537,9.709476,0.061615,9.778071,89.638954,83.218895

13.6374140,1.195215,9.731011,0.054437,9.804289,89.681870,82.997696

13.6398821,1.262214,9.738190,0.028116,9.819690,89.835953,82.614792

13.6423492,1.276571,9.759726,0.044865,9.842961,89.738838,82.548027

13.6448183,1.314856,9.764511,0.037687,9.852713,89.780838,82.330872

13.6472874,1.341177,9.752547,0.054437,9.844485,89.683174,82.169762

13.6497545,1.348356,9.762118,0.047258,9.854910,89.725243,82.135994

13.6522226,1.365105,9.757333,0.078365,9.852674,89.544281,82.035698

13.6546917,1.367498,9.731011,0.073579,9.826904,89.570992,82.000610

13.6571608,1.353141,9.745368,0.059222,9.839040,89.655128,82.095039

13.6596279,1.343570,9.731011,0.064008,9.823536,89.626671,82.138824

13.6620960,1.353141,9.735797,0.028116,9.829422,89.836113,82.087372

13.6645641,1.333999,9.721440,0.006580,9.812543,89.961578,82.186539

13.6670341,1.295713,9.699904,-0.022134,9.786087,90.129585,82.391472

13.6695013,1.298106,9.699904,-0.055633,9.786538,90.325706,82.377586

13.6719694,1.267000,9.709476,-0.081954,9.792136,90.479538,82.565422

13.6744375,1.240679,9.723833,-0.136989,9.803621,90.800636,82.728836

13.6769075,1.207179,9.742975,-0.177667,9.819084,91.036766,82.936905

13.6793747,1.204786,9.774082,-0.206381,9.850218,91.200546,82.972977

13.6818428,1.154537,9.807582,-0.208774,9.877510,91.211113,83.286110

13.6843109,1.130609,9.814760,-0.206381,9.881822,91.196701,83.428795

13.6867800,1.111466,9.817153,-0.215952,9.882231,91.252159,83.540665

13.6892481,1.080359,9.829117,-0.227916,9.890938,91.320381,83.727562

13.6917152,1.099502,9.821939,-0.263809,9.886808,91.528999,83.612701

13.6941843,1.099502,9.802796,-0.326022,9.869652,91.892982,83.600334

13.6966534,1.104288,9.764511,-0.354736,9.833157,92.067421,83.547722

13.6991215,1.104288,9.766904,-0.357129,9.835619,92.080849,83.549294

13.7015886,1.113859,9.726226,-0.388235,9.797494,92.270996,83.466881

13.7040577,1.128216,9.721440,-0.404985,9.795065,92.369621,83.380188

13.7065268,1.099502,9.711869,-0.385843,9.781523,92.260681,83.540924

13.7089949,1.118645,9.714262,-0.419342,9.787446,92.455582,83.431046

13.7114620,1.130609,9.738190,-0.371486,9.810637,92.170059,83.377579

13.7139311,1.161715,9.719048,-0.400200,9.796409,92.341278,83.183792

13.7164001,1.176072,9.714262,-0.393021,9.793084,92.300041,83.096992

13.7188673,1.207179,9.709476,-0.400200,9.792414,92.342232,82.912788

13.7213354,1.245464,9.711869,-0.397807,9.799481,92.326546,82.692192

13.7238045,1.298106,9.707084,-0.400200,9.801668,92.340019,82.383156

13.7262735,1.341177,9.742975,-0.416949,9.843687,92.427605,82.162163

13.7287407,1.420140,9.711869,-0.385843,9.822733,92.251190,81.680756

13.7312088,1.472782,9.721440,-0.385843,9.839937,92.247253,81.385292

13.7336769,1.523032,9.714262,-0.361914,9.839588,92.107895,81.089531

13.7361469,1.558924,9.721440,-0.347557,9.851773,92.021736,80.889648

13.7386141,1.580459,9.711869,-0.314058,9.844637,91.828125,80.757004

13.7410822,1.597209,9.716655,-0.273380,9.850847,91.590271,80.665283

13.7435503,1.599602,9.714262,-0.259023,9.848488,91.507095,80.649284

13.7460194,1.621137,9.723833,-0.225524,9.860622,91.310532,80.534821

13.7484875,1.623530,9.707084,-0.249452,9.845078,91.451897,80.505043

13.7509556,1.592423,9.699904,-0.251845,9.832974,91.467636,80.676971

13.7534237,1.594816,9.685548,-0.237488,9.818843,91.385941,80.649612

13.7558928,1.570888,9.680762,-0.215952,9.809765,91.261414,80.783005

13.7583609,1.561317,9.695119,-0.211167,9.822303,91.231880,80.851547

13.7608280,1.513460,9.666406,-0.192024,9.786054,91.124344,81.101494

13.7632971,1.513460,9.680762,-0.184846,9.800097,91.080757,81.114479

13.7657661,1.456033,9.699904,-0.203988,9.810698,91.191406,81.463188

13.7682343,1.398605,9.719048,-0.187238,9.820949,91.092422,81.811157

13.7707014,1.357927,9.757333,-0.160917,9.852685,90.935814,82.077042

13.7731705,1.307678,9.769297,-0.120239,9.857162,90.698921,82.375946

13.7756395,1.250250,9.824331,-0.086740,9.903945,90.501808,82.747490

13.7781067,1.214357,9.831510,-0.077169,9.906524,90.446320,82.958664

13.7805748,1.166501,9.845867,-0.031705,9.914779,90.183220,83.243309

13.7830439,1.168894,9.824331,0.008973,9.893628,89.948036,83.214874

13.7855129,1.140180,9.790833,0.018544,9.857016,89.892204,83.357605

13.7879801,1.123430,9.786046,0.056830,9.850483,89.669449,83.451157

13.7904482,1.106681,9.762118,0.064008,9.824856,89.626724,83.532288

13.7929163,1.116252,9.728619,0.071186,9.792706,89.583496,83.454567

13.7953863,1.101895,9.697512,0.032901,9.759969,89.806854,83.517479

13.7978535,1.125823,9.671191,0.018544,9.736517,89.890877,83.360085

13.8003216,1.154537,9.652048,-0.067597,9.721088,90.398422,83.178932

13.8027897,1.142573,9.656834,-0.129811,9.725059,90.764809,83.252274

13.8052588,1.140180,9.666406,-0.215952,9.735813,91.270996,83.272881

13.8077269,1.113859,9.683155,-0.232702,9.749786,91.367630,83.438072

13.8101950,1.106681,9.716655,-0.235095,9.782300,91.377106,83.502281

13.8126631,1.070788,9.757333,-0.244666,9.818960,91.427826,83.737312

13.8151321,1.056431,9.776475,-0.244666,9.836431,91.425293,83.832634

13.8176003,1.049253,9.805189,-0.230309,9.863858,91.337906,83.892029

13.8200674,1.032503,9.809975,-0.213559,9.866472,91.240265,83.991722

13.8225365,0.999003,9.798011,-0.187238,9.850588,91.089134,84.178253

13.8250055,0.979861,9.807582,-0.139382,9.857394,90.810181,84.294594

13.8274736,0.941576,9.781260,-0.136989,9.827431,90.798698,84.501465

13.8299408,0.915255,9.781260,-0.139382,9.824977,90.812851,84.654266

13.8324099,0.917647,9.750154,-0.141775,9.794269,90.829399,84.623375

13.8348789,0.891326,9.745368,-0.151346,9.787214,90.886040,84.774178

13.8373461,0.872184,9.719048,-0.160917,9.759431,90.944756,84.872032

13.8398142,0.872184,9.721440,-0.177667,9.762104,91.042824,84.873291

13.8422832,0.860220,9.752547,-0.194417,9.792341,91.137627,84.959290

13.8447523,0.819542,9.750154,-0.189631,9.786374,91.110291,85.195343

13.8472195,0.841077,9.759726,-0.211167,9.798176,91.234909,85.074516

13.8496876,0.824327,9.766904,-0.225524,9.804222,91.318077,85.175667

13.8521557,0.829113,9.778868,-0.227916,9.816600,91.330383,85.153702

13.8546257,0.848256,9.778868,-0.237488,9.818461,91.386002,85.042358

13.8570929,0.874577,9.762118,-0.220738,9.803702,91.290169,84.880608

13.8595610,0.917647,9.728619,-0.182453,9.773504,91.069664,84.611542

13.8620291,0.982254,9.723833,-0.182453,9.775022,91.069496,84.231827

13.8644991,1.013360,9.697512,-0.146560,9.751416,90.861168,84.034416

13.8669662,1.063610,9.711869,-0.163310,9.771302,90.957642,83.750076

13.8694344,1.109073,9.685548,-0.160917,9.750168,90.945656,83.467621

13.8719025,1.147358,9.675977,-0.184846,9.745518,91.086807,83.237556

13.8743715,1.200001,9.687941,-0.194417,9.763913,91.140938,82.939003

13.8768396,1.235893,9.702297,-0.215952,9.783079,91.264854,82.740677

13.8793068,1.293321,9.690333,-0.230309,9.778971,91.349525,82.397942

13.8817759,1.305285,9.704690,-0.220738,9.794565,91.291374,82.339668

13.8842449,1.384248,9.702297,-0.227916,9.803197,91.332199,81.880280

13.8867130,1.405783,9.699904,-0.206381,9.803416,91.206276,81.753677

13.8891802,1.444068,9.704690,-0.223131,9.814078,91.302780,81.536430

13.8916492,1.491925,9.707084,-0.196810,9.823036,91.148026,81.262329

13.8941183,1.530210,9.716655,-0.148953,9.837536,90.867569,81.050377

13.8965855,1.575674,9.735797,-0.074776,9.862762,90.434402,80.806778

13.8990536,1.573281,9.752547,-0.072383,9.878898,90.419807,80.835999

13.9015226,1.635494,9.738190,-0.053240,9.874716,90.308914,80.466347

13.9039917,1.642673,9.738190,-0.072383,9.876029,90.419930,80.425278

13.9064589,1.661815,9.714262,-0.091525,9.855805,90.532082,80.292404

13.9089270,1.661815,9.728619,-0.110668,9.870152,90.642433,80.306458

13.9113951,1.664208,9.711869,-0.146560,9.854515,90.852158,80.276337

13.9138651,1.659423,9.721440,-0.184846,9.863785,91.073776,80.313133

13.9163322,1.625923,9.750154,-0.235095,9.887589,91.362434,80.532547

13.9188004,1.601995,9.750154,-0.227916,9.883513,91.321373,80.669411

13.9212685,1.558924,9.766904,-0.261416,9.893988,91.514030,80.931351

13.9237385,1.530210,9.752547,-0.261416,9.875325,91.516891,81.082787

13.9262056,1.436890,9.764511,-0.244666,9.872700,91.420052,81.628761

13.9286737,1.405783,9.754940,-0.227916,9.858348,91.324745,81.799568

13.9311419,1.338784,9.774082,-0.208774,9.867554,91.212334,82.200569

13.9336109,1.271785,9.771689,-0.213559,9.856418,91.241524,82.584641

13.9360790,1.188036,9.766904,-0.206381,9.841059,91.201660,83.064667

13.9385462,1.137787,9.747761,-0.170489,9.815420,90.995247,83.342392

13.9410152,1.061217,9.764511,-0.153739,9.823213,90.896751,83.797379

13.9434843,1.030110,9.776475,-0.132203,9.831484,90.770477,83.985153

13.9459524,1.001396,9.742975,-0.129811,9.795163,90.759338,84.131668

13.9484196,0.953540,9.762118,-0.146560,9.809672,90.856056,84.421188

13.9508886,0.927219,9.759726,-0.129811,9.804531,90.758614,84.572929

13.9533577,0.915255,9.747761,-0.127418,9.791464,90.745621,84.636009

13.9558268,0.903291,9.747761,-0.125025,9.790322,90.731705,84.705719

13.9582930,0.874577,9.750154,-0.086740,9.789684,90.507668,84.874359

13.9607620,0.912862,9.723833,-0.081954,9.766932,90.480774,84.636856

13.9632311,0.929612,9.719048,-0.062812,9.763606,90.368599,84.536369

13.9656982,0.965504,9.711869,-0.053240,9.759890,90.312553,84.322601

13.9681664,0.984646,9.726226,-0.014955,9.775951,90.087654,84.219284

13.9706345,1.039681,9.719048,-0.065204,9.774716,90.382210,83.894081

13.9731045,1.056431,9.728619,-0.103490,9.786357,90.605911,83.802536

13.9755716,1.087538,9.766904,-0.115454,9.827944,90.673096,83.646324

13.9780397,1.123430,9.788439,-0.120239,9.853430,90.699188,83.452744

13.9805079,1.156930,9.802796,-0.122632,9.871593,90.711792,83.269066

13.9829779,1.202393,9.805189,-0.136989,9.879587,90.794479,83.008820

13.9854450,1.228714,9.802796,-0.120239,9.880234,90.697289,82.855621

13.9879131,1.247857,9.802796,-0.136989,9.882851,90.794220,82.745491

13.9903812,1.314856,9.793225,-0.153739,9.882295,90.891388,82.353096

13.9928503,1.345963,9.786046,-0.165703,9.879563,90.961029,82.168732

13.9953194,1.389034,9.781260,-0.194417,9.881309,91.127380,81.917488

13.9977865,1.434497,9.783653,-0.196810,9.890217,91.140228,81.658623

14.0002546,1.448854,9.776475,-0.201595,9.885306,91.168541,81.570236

14.0027237,1.463211,9.769297,-0.170489,9.879737,90.988770,81.481758

14.0051928,1.456033,9.752547,-0.182453,9.862327,91.060028,81.508591

14.0076590,1.489532,9.754940,-0.187238,9.869782,91.087013,81.318268

14.0101280,1.465604,9.738190,-0.211167,9.850123,91.228401,81.441185

14.0125971,1.386641,9.731011,-0.187238,9.831094,91.091293,81.890114

14.0150661,1.389034,9.752547,-0.187238,9.852748,91.088898,81.894005

14.0175323,1.362713,9.723833,-0.199202,9.820876,91.162247,82.022438

14.0200014,1.326820,9.721440,-0.182453,9.813264,91.065331,82.228065

14.0224705,1.310070,9.711869,-0.182453,9.801529,91.066605,82.317528

14.0249376,1.276571,9.714262,-0.192024,9.799663,91.122780,82.513542

14.0274057,1.245464,9.704690,-0.184846,9.786028,91.082306,82.686844

14.0298748,1.250250,9.709476,-0.177667,9.791252,91.039719,82.662628

14.0323439,1.245464,9.711869,-0.203988,9.793529,91.193489,82.692192

14.0348120,1.235893,9.707084,-0.215952,9.787826,91.264236,82.744217

14.0372791,1.231107,9.726226,-0.220738,9.806315,91.289825,82.786087

14.0397472,1.247857,9.757333,-0.220738,9.839279,91.285500,82.712051

14.0422173,1.245464,9.754940,-0.220738,9.836603,91.285851,82.724113

14.0446854,1.233500,9.771689,-0.232702,9.851984,91.353439,82.805489

14.0471525,1.235893,9.745368,-0.220738,9.825902,91.287254,82.772415

14.0496206,1.247857,9.728619,-0.213559,9.810646,91.247322,82.690773

14.0520897,1.250250,9.759726,-0.187238,9.841262,91.090164,82.699997

14.0545588,1.228714,9.740582,-0.211167,9.820045,91.232162,82.810463

14.0570259,1.243071,9.745368,-0.213559,9.826649,91.245293,82.730888

14.0594940,1.264607,9.740582,-0.206381,9.824498,91.203690,82.602745

14.0619631,1.274178,9.742975,-0.215952,9.828313,91.259033,82.549194

14.0644321,1.255036,9.750154,-0.208774,9.832813,91.216614,82.665245

14.0668983,1.300499,9.752547,-0.184846,9.840611,91.076302,82.404434

14.0693674,1.276571,9.750154,-0.144168,9.834426,90.839958,82.540794

14.0718365,1.271785,9.742975,-0.105882,9.826200,90.617401,82.563026

14.0743055,1.271785,9.726226,-0.096311,9.809495,90.562546,82.550362

14.0767717,1.250250,9.723833,-0.067597,9.804112,90.395042,82.673347

14.0792408,1.243071,9.740582,-0.067597,9.819814,90.394417,82.727356

14.0817099,1.221536,9.709476,-0.081954,9.786358,90.479820,82.829369

14.0841780,1.214357,9.697512,-0.065204,9.773466,90.382256,82.862366

14.0866451,1.190429,9.695119,-0.089133,9.768336,90.522812,82.999893

14.0891142,1.221536,9.630513,-0.115454,9.708361,90.681389,82.771194

14.0915833,1.192822,9.623335,-0.093918,9.697433,90.554909,82.934166

14.0940514,1.171287,9.608977,-0.108275,9.680707,90.640846,83.050217

14.0965185,1.133002,9.613763,-0.074776,9.680585,90.442574,83.278580

14.0989866,1.104288,9.637691,-0.065204,9.700969,90.385109,83.463547

14.1014566,1.087538,9.678370,-0.065204,9.739498,90.383591,83.588692

14.1039248,1.068395,9.716655,-0.041276,9.775304,90.241936,83.725243

14.1063919,1.061217,9.747761,-0.050847,9.805489,90.297112,83.786804

14.1088600,1.061217,9.790833,-0.084347,9.848538,90.490707,83.813927

14.1113300,1.061217,9.800404,-0.110668,9.858314,90.643211,83.819923

14.1137981,1.099502,9.836296,-0.105882,9.898123,90.612915,83.621948

14.1162653,1.070788,9.841082,-0.093918,9.899611,90.543579,83.790192

14.1187334,1.077967,9.831510,-0.113061,9.891075,90.654938,83.742851

14.1212025,1.075574,9.853045,-0.115454,9.912250,90.667374,83.770172

14.1236715,1.073181,9.855438,-0.098704,9.914188,90.570435,83.785416

14.1261377,1.056431,9.869795,-0.136989,9.927117,90.790680,83.890503

14.1286068,1.044467,9.850653,-0.148953,9.906990,90.861481,83.947525

14.1310759,1.032503,9.831510,-0.189631,9.887396,91.098946,84.004784

14.1335449,1.066002,9.807582,-0.218345,9.867761,91.267891,83.796776

14.1360111,1.042074,9.774082,-0.263809,9.833015,91.537369,83.914337

14.1384802,1.020539,9.764511,-0.275773,9.821569,91.608978,84.033386

14.1409492,1.039681,9.757333,-0.270987,9.816309,91.581894,83.917862

14.1434183,1.042074,9.735797,-0.290130,9.795705,91.697235,83.890587

14.1458845,1.068395,9.728619,-0.287737,9.791337,91.683990,83.732903

14.1483536,1.092324,9.721440,-0.273380,9.786435,91.600739,83.589005

14.1508226,1.058824,9.697512,-0.244666,9.758212,91.436722,83.768837

14.1532907,1.073181,9.704690,-0.239880,9.766794,91.407372,83.689659

14.1557579,1.089931,9.707084,-0.225524,9.770684,91.322601,83.593552

14.1582260,1.128216,9.692726,-0.194417,9.760102,91.141380,83.360748

14.1606960,1.149751,9.699904,-0.177667,9.769423,91.042038,83.240143

14.1631641,1.142573,9.695119,-0.156132,9.763461,90.916283,83.278679

14.1656313,1.171287,9.683155,-0.091525,9.754168,90.537628,83.102936

14.1680994,1.204786,9.678370,-0.086740,9.753454,90.509552,82.904190

14.1705694,1.235893,9.671191,-0.072383,9.750108,90.425354,82.717575

14.1730375,1.259821,9.675977,-0.077169,9.757953,90.453117,82.581764

14.1755047,1.276571,9.678370,-0.058026,9.762368,90.340561,82.486099

14.1779728,1.288535,9.697512,-0.048455,9.782863,90.283791,82.431290

14.1804419,1.300499,9.721440,-0.041276,9.808129,90.241119,82.380417

14.1829109,1.324427,9.721440,-0.067597,9.811477,90.394745,82.241913

14.1853771,1.300499,9.735797,-0.055633,9.822431,90.324516,82.391518

14.1878462,1.288535,9.750154,-0.086740,9.835312,90.505310,82.471680

14.1903152,1.278964,9.769297,-0.041276,9.852746,90.240028,82.541443

14.1927843,1.278964,9.802796,-0.043669,9.885974,90.253090,82.566650

14.1952505,1.276571,9.809975,0.006580,9.892688,89.961891,82.585770

14.1977196,1.288535,9.802796,0.008973,9.887124,89.947998,82.511650

14.2001886,1.252643,9.776475,0.004187,9.856399,89.975655,82.698570

14.2026577,1.221536,9.759726,0.025723,9.835906,89.850159,82.865906

14.2051239,1.226322,9.709476,-0.029312,9.786657,90.171608,82.801575

14.2075930,1.209572,9.721440,-0.043669,9.796498,90.255402,82.907532

14.2100620,1.226322,9.719048,-0.096311,9.796582,90.563286,82.808586

14.2125301,1.238286,9.754940,-0.103490,9.833764,90.602989,82.765602

14.2149973,1.255036,9.750154,-0.105882,9.831166,90.617088,82.665245

14.2174664,1.286142,9.774082,-0.091525,9.858764,90.531921,82.503685

14.2199354,1.298106,9.759726,-0.081954,9.846016,90.476913,82.423759

14.2224035,1.305285,9.769297,-0.031705,9.856162,90.184303,82.389732

14.2248707,1.324427,9.762118,-0.010169,9.851557,90.059143,82.273849

14.2273388,1.341177,9.754940,-0.024526,9.846736,90.142715,82.171654

14.2298088,1.345963,9.733404,-0.043669,9.826122,90.254631,82.126907

14.2322769,1.350748,9.709476,-0.046062,9.803090,90.269218,82.080040

14.2347441,1.367498,9.673584,-0.062812,9.769965,90.368362,81.953743

14.2372122,1.374677,9.656834,-0.074776,9.754474,90.439224,81.898224

14.2396812,1.389034,9.647263,-0.086740,9.747133,90.509880,81.806740

14.2421503,1.396212,9.675977,-0.074776,9.776479,90.438232,81.789078

14.2446175,1.405783,9.685548,-0.046062,9.787144,90.269653,81.741623

14.2470856,1.396212,9.692726,-0.069990,9.793020,90.409492,81.803078

14.2495546,1.381855,9.738190,-0.101097,9.836264,90.588898,81.923615

14.2520237,1.396212,9.745368,-0.127418,9.845702,90.741508,81.846756

14.2544899,1.372284,9.759726,-0.153739,9.856929,90.893677,81.996292

14.2569590,1.329213,9.781260,-0.168096,9.872595,90.975594,82.261261

14.2594280,1.283749,9.800404,-0.153739,9.885321,90.891113,82.537346

14.2618971,1.274178,9.800404,-0.148953,9.884008,90.863487,82.592369

14.2643633,1.267000,9.790833,-0.120239,9.873203,90.697784,82.626518

14.2668324,1.219143,9.769297,-0.122632,9.845837,90.713654,82.886642

14.2693014,1.211965,9.754940,-0.122632,9.830705,90.714752,82.917801

14.2717695,1.197608,9.733404,-0.136989,9.807762,90.800301,82.985527

14.2742367,1.173679,9.707084,-0.148953,9.778915,90.872765,83.105858

14.2767057,1.164108,9.719048,-0.177667,9.790128,91.039833,83.169884

14.2791748,1.144966,9.728619,-0.196810,9.797739,91.150993,83.287712

14.2816429,1.118645,9.716655,-0.203988,9.782963,91.194778,83.432648

14.2841101,1.092324,9.733404,-0.208774,9.796730,91.221100,83.596817

14.2865782,1.097109,9.745368,-0.175274,9.808495,91.023911,83.576828

14.2890482,1.092324,9.742975,-0.132203,9.804908,90.772568,83.603058

14.2915163,1.097109,9.731011,-0.101097,9.793184,90.591484,83.567429

14.2939835,1.092324,9.731011,-0.084347,9.792490,90.493523,83.595261

14.2964516,1.101895,9.716655,-0.072383,9.779202,90.424088,83.530144

14.2989206,1.123430,9.695119,-0.098704,9.760490,90.579422,83.390282

14.3013897,1.137787,9.668798,-0.081954,9.735859,90.482307,83.288521

14.3038568,1.142573,9.673584,-0.115454,9.741510,90.679070,83.263855

14.3063250,1.133002,9.690333,-0.103490,9.756893,90.607735,83.331207

14.3087940,1.159323,9.704690,-0.086740,9.774076,90.508476,83.187729

14.3112631,1.154537,9.711869,-0.046062,9.780362,90.269844,83.220551

14.3137293,1.142573,9.721440,-0.014955,9.788365,90.087540,83.296707

14.3161983,1.173679,9.733404,-0.022134,9.803937,90.129349,83.124321

14.3186674,1.173679,9.762118,0.006580,9.832422,89.961655,83.144348

14.3211365,1.176072,9.774082,-0.002991,9.844584,90.017410,83.138840

14.3236027,1.180858,9.771689,-0.019741,9.842801,90.114914,83.109512

14.3260717,1.188036,9.766904,-0.034098,9.838953,90.198563,83.064667

14.3285408,1.178465,9.771689,-0.065204,9.842710,90.379570,83.123344

14.3310089,1.183251,9.771689,-0.105882,9.843638,90.616310,83.095688

14.3334761,1.192822,9.764511,-0.129811,9.837955,90.756035,83.035316

14.3359451,1.192822,9.786046,-0.168096,9.859907,90.976852,83.050491

14.3384142,1.223929,9.771689,-0.170489,9.849517,90.991798,82.860741

14.3408823,1.250250,9.774082,-0.215952,9.856087,91.255486,82.710609

14.3433495,1.264607,9.783653,-0.227916,9.867677,91.323494,82.634949

14.3458176,1.286142,9.762118,-0.223131,9.849006,91.298157,82.494606

14.3482876,1.281357,9.762118,-0.196810,9.847820,91.145142,82.522217

14.3507557,1.283749,9.754940,-0.215952,9.841417,91.257355,82.502960

14.3532228,1.302892,9.723833,-0.213559,9.813056,91.247017,82.368416

14.3556910,1.326820,9.738190,-0.237488,9.831032,91.384224,82.241272

14.3581610,1.345963,9.721440,-0.256630,9.817529,91.497879,82.117340

14.3606291,1.353141,9.709476,-0.261416,9.806797,91.527489,82.066193

14.3630962,1.355534,9.707084,-0.259023,9.804694,91.513832,82.050407

14.3655643,1.386641,9.711869,-0.287737,9.814580,91.680000,81.874344

14.3680334,1.384248,9.723833,-0.290130,9.826152,91.691978,81.898026

14.3705025,1.396212,9.745368,-0.304487,9.849585,91.771507,81.846756

14.3729687,1.398605,9.740582,-0.285344,9.844616,91.660942,81.829010

14.3754377,1.391426,9.764511,-0.285344,9.867277,91.657120,81.890045

14.3779068,1.386641,9.798011,-0.251845,9.898849,91.457863,81.944839

14.3803759,1.372284,9.817153,-0.230309,9.915276,91.330971,82.042511

14.3828421,1.336391,9.793225,-0.218345,9.886399,91.265503,82.229370

14.3853111,1.336391,9.800404,-0.194417,9.893010,91.126045,82.234993

14.3877802,1.305285,9.805189,-0.237488,9.894539,91.375336,82.417267

14.3902483,1.267000,9.814760,-0.249452,9.899345,91.443939,82.644295

14.3927155,1.271785,9.786046,-0.232702,9.871083,91.350822,82.595398

14.3951845,1.250250,9.762118,-0.230309,9.844548,91.340530,82.701767

14.3976536,1.209572,9.766904,-0.182453,9.843209,91.062088,82.940208

14.4001217,1.190429,9.774082,-0.139382,9.847296,90.811012,83.055893

14.4025888,1.144966,9.754940,-0.103490,9.822449,90.603683,83.305656

14.4050570,1.125823,9.759726,-0.069990,9.824695,90.408173,83.419785

14.4075270,1.099502,9.731011,-0.067597,9.793164,90.395485,83.553520

14.4099951,1.080359,9.726226,-0.093918,9.786494,90.549858,83.661743

14.4124622,1.058824,9.699904,-0.148953,9.758659,90.874580,83.770363

14.4149303,1.056431,9.702297,-0.175274,9.761216,91.028870,83.785851

14.4174004,1.032503,9.707084,-0.215952,9.764229,91.267296,83.928513

14.4198685,1.032503,9.719048,-0.242273,9.776740,91.419968,83.935928

14.4223366,0.999003,9.711869,-0.263809,9.766679,91.547813,84.126976

14.4248037,1.015753,9.731011,-0.227916,9.786536,91.334465,84.040871

14.4272728,0.984646,9.728619,-0.232702,9.781089,91.363251,84.220695

14.4297419,1.010968,9.731011,-0.211167,9.785665,91.236488,84.068741

14.4322081,0.972682,9.771689,-0.170489,9.821461,90.994637,84.315453

14.4346771,0.975075,9.774082,-0.184846,9.824338,91.078087,84.302948

14.4371462,0.946361,9.793225,-0.136989,9.839798,90.797691,84.480400

14.4396152,0.941576,9.809975,-0.115454,9.855734,90.671196,84.517464

14.4420815,0.955933,9.776475,-0.081954,9.823441,90.478004,84.415436

14.4445505,0.927219,9.728619,-0.065204,9.772922,90.382278,84.555679

14.4470196,0.924826,9.731011,-0.046062,9.774968,90.269989,84.570969

14.4494886,0.927219,9.733404,-0.058026,9.777640,90.340027,84.558342

14.4519548,0.936790,9.695119,-0.031705,9.740324,90.186501,84.480934

14.4544239,0.936790,9.709476,-0.055633,9.754723,90.326775,84.489044

14.4568930,0.953540,9.697512,-0.050847,9.744411,90.298981,84.384254

14.4593611,0.934397,9.728619,-0.055633,9.773547,90.326141,84.513786

14.4618292,0.917647,9.740582,-0.050847,9.783844,90.297775,84.618126

14.4642973,0.932004,9.752547,-0.031705,9.797030,90.185417,84.541092

14.4667664,0.893719,9.778868,-0.036491,9.819691,90.212914,84.778076

14.4692345,0.900898,9.771689,-0.038883,9.813208,90.227028,84.732521

14.4717026,0.900898,9.802796,-0.038883,9.844183,90.226311,84.749146

14.4741697,0.876970,9.776475,-0.058026,9.815900,90.338699,84.874168

14.4766397,0.898505,9.800404,-0.065204,9.841722,90.379608,84.761742

14.4791079,0.917647,9.809975,-0.079561,9.853122,90.462654,84.655975

14.4815760,0.934397,9.790833,-0.132203,9.836207,90.770103,84.548431

14.4840431,0.946361,9.771689,-0.158524,9.818688,90.925095,84.468315

14.4865122,0.951147,9.774082,-0.184846,9.821992,91.078346,84.441864

14.4889812,0.958325,9.802796,-0.170489,9.851004,90.991653,84.416481

14.4914494,0.965504,9.793225,-0.180060,9.842352,91.048248,84.369461

14.4939165,1.001396,9.771689,-0.175274,9.824430,91.022247,84.148796

14.4963856,1.018146,9.762118,-0.184846,9.816810,91.078911,84.045830

14.4988546,1.051646,9.759726,-0.189631,9.818052,91.106712,83.849899

14.5013218,1.085145,9.738190,-0.192024,9.800344,91.122704,83.641655

14.5037899,1.104288,9.728619,-0.213559,9.793420,91.249512,83.524117

14.5062590,1.137787,9.728619,-0.220738,9.797414,91.290993,83.329414

14.5087280,1.142573,9.702297,-0.189631,9.771182,91.112022,83.283607

14.5111952,1.178465,9.704690,-0.203988,9.778108,91.195374,83.076324

14.5136633,1.216750,9.695119,-0.158524,9.772458,90.929466,82.846703

14.5161324,1.250250,9.711869,-0.170489,9.793498,90.997475,82.664421

14.5186005,1.255036,9.690333,-0.168096,9.772714,90.985565,82.620461

14.5210686,1.281357,9.695119,-0.148953,9.780562,90.872620,82.471130

14.5235367,1.257428,9.695119,-0.160917,9.777645,90.943001,82.610161

14.5260057,1.250250,9.699904,-0.170489,9.781632,90.998688,82.655472

14.5284739,1.252643,9.699904,-0.165703,9.781857,90.970627,82.641563

14.5309420,1.245464,9.735797,-0.158524,9.816418,90.925308,82.709961

14.5334091,1.226322,9.723833,-0.160917,9.802178,90.940636,82.812088

14.5358791,1.214357,9.764511,-0.146560,9.840824,90.853340,82.910843

14.5383472,1.223929,9.764511,-0.134596,9.841840,90.783600,82.855545

14.5408154,1.226322,9.774082,-0.093918,9.851161,90.546249,82.848656

14.5432825,1.228714,9.790833,-0.041276,9.867718,90.239670,82.846977

14.5457516,1.226322,9.786046,-0.007777,9.862587,90.045181,82.857307

14.5482206,1.257428,9.764511,0.001795,9.845141,89.989555,82.662102

14.5506887,1.276571,9.726226,0.004187,9.809644,89.975540,82.522652

14.5531559,1.274178,9.733404,-0.029312,9.816494,90.171089,82.541946

14.5556250,1.286142,9.714262,-0.043669,9.799130,90.255333,82.458054

14.5580940,1.295713,9.723833,-0.089133,9.810185,90.520584,82.409973

14.5605612,1.264607,9.731011,-0.125025,9.813636,90.729965,82.595551

14.5630293,1.295713,9.716655,-0.163310,9.804026,90.954445,82.404434

14.5654984,1.267000,9.723833,-0.160917,9.807350,90.940140,82.576279

14.5679674,1.226322,9.762118,-0.170489,9.840320,90.992729,82.839989

14.5704346,1.214357,9.764511,-0.182453,9.841424,91.062279,82.910843

14.5729027,1.192822,9.759726,-0.184846,9.834085,91.077019,83.031937

14.5753717,1.178465,9.754940,-0.156132,9.827106,90.910347,83.111649

14.5778399,1.156930,9.759726,-0.153739,9.829261,90.896194,83.239639

14.5803080,1.101895,9.771689,-0.160917,9.834937,90.937508,83.566277

14.5827761,1.089931,9.757333,-0.165703,9.819417,90.966911,83.626266

14.5852451,1.056431,9.742975,-0.160917,9.801403,90.940712,83.811592

14.5877132,1.039681,9.766904,-0.136989,9.823040,90.799057,83.923782

14.5901814,1.032503,9.757333,-0.163310,9.813169,90.953560,83.959541

14.5926485,1.032503,9.781260,-0.172881,9.837124,91.006989,83.974213

14.5951185,1.042074,9.790833,-0.163310,9.847486,90.950233,83.924675

14.5975866,1.049253,9.781260,-0.144168,9.838433,90.839615,83.877197

14.6000547,1.032503,9.786046,-0.144168,9.841419,90.839363,83.977135

14.6025219,1.027717,9.798011,-0.120239,9.852496,90.699249,84.012115

14.6049919,1.037289,9.802796,-0.065204,9.857739,90.378990,83.959694

14.6074600,1.044467,9.795618,-0.017348,9.851159,90.100899,83.913780

14.6099281,1.030110,9.798011,0.035294,9.852076,89.794746,83.998276

14.6123953,1.049253,9.754940,0.047258,9.811321,89.724022,83.860802

14.6148643,1.061217,9.726226,0.042473,9.784040,89.751274,83.773155

14.6173334,1.075574,9.716655,0.028116,9.776044,89.835220,83.683426

14.6198006,1.082752,9.707084,-0.002991,9.767283,90.017548,83.635391

14.6222687,1.118645,9.695119,-0.036491,9.759510,90.214226,83.418190

14.6247377,1.130609,9.702297,-0.060419,9.768137,90.354393,83.353302

14.6272068,1.147358,9.731011,-0.081954,9.798761,90.479210,83.275452

14.6296740,1.159323,9.750154,-0.096311,9.819308,90.561989,83.219193

14.6321421,1.171287,9.778868,-0.125025,9.849558,90.727303,83.169807

14.6346111,1.183251,9.776475,-0.110668,9.848441,90.643852,83.099037

14.6370792,1.190429,9.771689,-0.129811,9.844790,90.755508,83.054207

14.6395473,1.180858,9.790833,-0.136989,9.862738,90.795837,83.122856

14.6420155,1.192822,9.781260,-0.122632,9.854487,90.713020,83.047127

14.6444845,1.166501,9.795618,-0.163310,9.866181,90.948433,83.208969

14.6469526,1.168894,9.752547,-0.184846,9.824085,91.078117,83.165405

14.6494207,1.166501,9.738190,-0.213559,9.810131,91.247383,83.169304

14.6518879,1.173679,9.733404,-0.211167,9.806186,91.233902,83.124321

14.6543579,1.164108,9.731011,-0.211167,9.802670,91.234344,83.178200

14.6568260,1.164108,9.716655,-0.187238,9.787930,91.096107,83.168213

14.6592941,1.173679,9.702297,-0.153739,9.774239,90.901245,83.102486

14.6617613,1.147358,9.685548,-0.160917,9.754597,90.945229,83.244179

14.6642313,1.140180,9.683155,-0.148953,9.751189,90.875252,83.284416

14.6666994,1.123430,9.699904,-0.158524,9.766031,90.930077,83.393509

14.6691675,1.144966,9.721440,-0.160917,9.789956,90.941811,83.282799

14.6716347,1.116252,9.728619,-0.187238,9.794238,91.095398,83.454567

14.6741037,1.144966,9.711869,-0.153739,9.780336,90.900681,83.276237

14.6765728,1.152144,9.740582,-0.182453,9.810182,91.065666,83.254234

14.6790409,1.154537,9.747761,-0.156132,9.817137,90.911270,83.245285

14.6815081,1.173679,9.778868,-0.129811,9.849905,90.755119,83.155983

14.6839771,1.192822,9.769297,-0.098704,9.842343,90.574600,83.038696

14.6864462,1.219143,9.764511,-0.050847,9.840456,90.296059,82.883194

14.6889133,1.233500,9.757333,-0.041276,9.835078,90.240463,82.795013

14.6913815,1.252643,9.764511,-0.019741,9.844551,90.114891,82.689728

14.6938505,1.269392,9.774082,-0.010169,9.856174,90.059120,82.600227

14.6963196,1.271785,9.750154,-0.014955,9.832760,90.087143,82.568443

14.6987867,1.274178,9.719048,-0.029312,9.802258,90.171333,82.531059

14.7012548,1.293321,9.726226,-0.038883,9.811914,90.227058,82.425667

14.7037239,1.288535,9.726226,-0.096311,9.811681,90.562424,82.453377

14.7061920,1.288535,9.723833,-0.113061,9.809487,90.660385,82.451538

14.7086601,1.262214,9.742975,-0.136989,9.825351,90.798866,82.618378

14.7111282,1.250250,9.769297,-0.127418,9.849798,90.741203,82.707077

14.7135973,1.233500,9.754940,-0.139382,9.833606,90.812141,82.793266

14.7160654,1.173679,9.759726,-0.122632,9.830809,90.714745,83.142685

14.7185335,1.140180,9.766904,-0.132203,9.834119,90.770271,83.341476

14.7210007,1.140180,9.776475,-0.151346,9.843901,90.880936,83.347939

14.7234707,1.123430,9.750154,-0.146560,9.815757,90.855522,83.427261

14.7259388,1.075574,9.740582,-0.172881,9.801311,91.010674,83.698814

14.7284069,1.049253,9.747761,-0.194417,9.805996,91.136040,83.856316

14.7308741,1.054038,9.716655,-0.215952,9.776043,91.265762,83.808907

14.7333431,1.034896,9.728619,-0.196810,9.785487,91.152435,83.927917

14.7358122,1.027717,9.721440,-0.196810,9.777594,91.153366,83.965302

14.7382803,1.037289,9.769297,-0.175274,9.825774,91.022110,83.939133

14.7407475,1.032503,9.769297,-0.184846,9.825446,91.077965,83.966888

14.7432165,1.020539,9.771689,-0.163310,9.826194,90.952293,84.037743

14.7456856,1.025324,9.771689,-0.177667,9.826941,91.035942,84.009987

14.7481527,1.027717,9.742975,-0.194417,9.798958,91.136856,83.978539

14.7506208,1.032503,9.738190,-0.192024,9.794655,91.123352,83.947762

14.7530899,1.061217,9.731011,-0.206381,9.790881,91.207825,83.776199

14.7555590,1.087538,9.747761,-0.251845,9.811473,91.470848,83.633949

14.7580261,1.082752,9.750154,-0.239880,9.813023,91.400742,83.663284

14.7604942,1.092324,9.750154,-0.232702,9.813910,91.358696,83.607727

14.7629633,1.104288,9.774082,-0.213559,9.838585,91.243774,83.553986

14.7654314,1.099502,9.766904,-0.170489,9.830075,90.993767,83.577011

14.7678995,1.101895,9.764511,-0.139382,9.827476,90.812645,83.561584

14.7703676,1.094716,9.757333,-0.139382,9.819540,90.813301,83.598518

14.7728367,1.118645,9.759726,-0.117847,9.824331,90.687302,83.461380

14.7753048,1.099502,9.742975,-0.134596,9.805743,90.786484,83.561371

14.7777729,1.106681,9.752547,-0.117847,9.815845,90.687897,83.525993

14.7802401,1.113859,9.738190,-0.110668,9.802309,90.646881,83.474838

14.7827101,1.099502,9.735797,-0.156132,9.798930,90.912964,83.556664

14.7851782,1.082752,9.740582,-0.168096,9.802018,90.982620,83.657104

14.7876463,1.085145,9.747761,-0.163310,9.809335,90.953926,83.647842

14.7901134,1.111466,9.757333,-0.153739,9.821636,90.896889,83.501396

14.7925835,1.080359,9.786046,-0.117847,9.846205,90.685776,83.700172

14.7950516,1.092324,9.776475,-0.089133,9.837711,90.519127,83.624794

14.7975197,1.070788,9.778868,-0.067597,9.837551,90.393700,83.750999

14.7999868,1.085145,9.754940,-0.029312,9.815154,90.171112,83.652481

14.8024559,1.113859,9.762118,-0.022134,9.825483,90.129066,83.490692

14.8049250,1.118645,9.738190,0.018544,9.802247,89.891602,83.447044

14.8073921,1.149751,9.695119,0.006580,9.763059,89.961380,83.236839

14.8098602,1.156930,9.685548,0.006580,9.754402,89.961349,83.188347

14.8123293,1.185644,9.664013,-0.012562,9.736481,90.073921,83.005539

14.8147984,1.192822,9.680762,-0.043669,9.754070,90.256516,82.975662

14.8172655,1.211965,9.683155,-0.048455,9.758826,90.284485,82.865837

14.8197346,1.240679,9.702297,-0.060419,9.781487,90.353912,82.712868

14.8222027,1.233500,9.731011,-0.089133,9.809283,90.520630,82.775734

14.8246708,1.228714,9.742975,-0.093918,9.820598,90.547951,82.812210

14.8271389,1.240679,9.778868,-0.125025,9.858051,90.726677,82.769318

14.8296080,1.240679,9.805189,-0.136989,9.884320,90.794098,82.788528

14.8320761,1.204786,9.800404,-0.165703,9.875569,90.961418,82.991661

14.8345442,1.192822,9.829117,-0.189631,9.903046,91.097214,83.080650

14.8370123,1.192822,9.821939,-0.218345,9.896513,91.264206,83.075645

14.8394794,1.178465,9.836296,-0.227916,9.909261,91.317940,83.168083

14.8419495,1.128216,9.841082,-0.206381,9.907692,91.193581,83.459961

14.8444176,1.113859,9.800404,-0.182453,9.865186,91.059723,83.515907

14.8468857,1.080359,9.817153,-0.196810,9.878381,91.141594,83.719978

14.8493528,1.046860,9.788439,-0.196810,9.846227,91.145325,83.895500

14.8518229,1.039681,9.759726,-0.182453,9.816643,91.064964,83.919342

14.8542910,1.034896,9.723833,-0.203988,9.780877,91.195038,83.924950

14.8567591,1.006182,9.735797,-0.201595,9.789729,91.179947,84.099503

14.8592272,0.982254,9.752547,-0.203988,9.804009,91.192215,84.248695

14.8616953,0.958325,9.733404,-0.208774,9.782696,91.222847,84.376930

14.8641644,0.975075,9.740582,-0.208774,9.791492,91.221748,84.283485

14.8666315,0.963111,9.750154,-0.192024,9.799488,91.122803,84.358681

14.8691006,0.953540,9.764511,-0.192024,9.812839,91.121269,84.422546

14.8715687,0.963111,9.766904,-0.165703,9.815674,90.967285,84.368286

14.8740377,0.975075,9.795618,-0.160917,9.845345,90.936516,84.315392

14.8765049,0.994218,9.783653,-0.136989,9.834994,90.798080,84.197502

14.8789740,0.979861,9.786046,-0.127418,9.835805,90.742256,84.282127

14.8814421,1.030110,9.781260,-0.136989,9.836308,90.797974,83.988075

14.8839111,1.054038,9.747761,-0.153739,9.805788,90.898338,83.828506

14.8863783,1.075574,9.728619,-0.136989,9.788854,90.801849,83.691132

14.8888474,1.113859,9.695119,-0.141775,9.759924,90.832321,83.446098

14.8913155,1.123430,9.711869,-0.141775,9.777658,90.830811,83.401581

14.8937836,1.130609,9.692726,-0.117847,9.759154,90.691895,83.346794

14.8962517,1.144966,9.704690,-0.120239,9.772738,90.704956,83.271309

14.8987207,1.161715,9.709476,-0.117847,9.779438,90.690453,83.177132

14.9011889,1.159323,9.714262,-0.108275,9.783795,90.634094,83.194374

14.9036570,1.161715,9.695119,-0.093918,9.764923,90.551071,83.167122

14.9061251,1.156930,9.690333,-0.101097,9.759676,90.593513,83.191681

14.9085932,1.188036,9.697512,-0.091525,9.770442,90.536728,83.015533

14.9110622,1.147358,9.690333,-0.105882,9.758595,90.621681,83.247482

14.9135303,1.142573,9.695119,-0.101097,9.762736,90.593330,83.278679

14.9159985,1.121037,9.692726,-0.117847,9.758050,90.691971,83.402618

14.9184666,1.087538,9.728619,-0.125025,9.790015,90.731728,83.621529

14.9209347,1.099502,9.745368,-0.125025,9.807994,90.730385,83.562935

14.9234037,1.128216,9.754940,-0.129811,9.820824,90.757355,83.402718

14.9258718,1.109073,9.762118,-0.132203,9.825807,90.770920,83.518425

14.9283400,1.092324,9.781260,-0.139382,9.843051,90.811363,83.627892

14.9308081,1.061217,9.798011,-0.129811,9.856168,90.754639,83.818420

14.9332771,1.061217,9.805189,-0.113061,9.863097,90.656799,83.822914

14.9357443,1.049253,9.802796,-0.129811,9.859645,90.754372,83.890549

14.9382133,1.051646,9.788439,-0.079561,9.845092,90.463028,83.867805

14.9406815,1.049253,9.793225,-0.086740,9.849656,90.504578,83.884621

14.9431505,1.082752,9.774082,-0.069990,9.834121,90.407784,83.678665

14.9456177,1.063610,9.752547,-0.093918,9.810823,90.548500,83.775940

14.9480867,1.051646,9.757333,-0.077169,9.814146,90.450523,83.848404

14.9505548,1.049253,9.716655,-0.093918,9.773594,90.550583,83.836800

14.9530230,1.056431,9.728619,-0.101097,9.786331,90.591896,83.802536

14.9554911,1.056431,9.731011,-0.089133,9.788593,90.521729,83.804047

14.9579601,1.022932,9.750154,-0.079561,9.803990,90.464973,84.010757

14.9604282,1.006182,9.740582,-0.048455,9.792533,90.283508,84.102379

14.9628963,0.999003,9.714262,-0.055633,9.765654,90.326408,84.128410

14.9653645,0.984646,9.728619,-0.060419,9.778506,90.354019,84.220695

14.9678326,0.965504,9.716655,-0.086740,9.764892,90.508957,84.325378

14.9703016,0.967897,9.742975,-0.117847,9.791643,90.689598,84.326675

14.9727697,0.943969,9.745368,-0.120239,9.791718,90.703590,84.467400

14.9752378,0.951147,9.759726,-0.122632,9.806730,90.716499,84.433739

14.9777060,0.943969,9.774082,-0.132203,9.820450,90.771339,84.483559

14.9801750,0.960718,9.783653,-0.146560,9.831802,90.854126,84.391747

14.9826431,0.958325,9.771689,-0.168096,9.820008,90.980820,84.398819

14.9851112,0.955933,9.764511,-0.146560,9.812286,90.855827,84.408638

14.9875793,0.970290,9.745368,-0.122632,9.794319,90.717407,84.314133

14.9900475,0.999003,9.778868,-0.129811,9.830621,90.756599,84.166931

14.9925165,0.994218,9.786046,-0.110668,9.837043,90.644600,84.198914

14.9949837,1.008575,9.788439,-0.103490,9.840806,90.602554,84.117157

14.9974527,1.018146,9.788439,-0.115454,9.841925,90.672142,84.061722

14.9999208,1.034896,9.766904,-0.093918,9.822028,90.547874,83.951538

15.0023899,1.058824,9.783653,-0.101097,9.841301,90.588593,83.823273

15.0048571,1.075574,9.776475,-0.093918,9.835911,90.547096,83.721764

15.0073261,1.089931,9.778868,-0.101097,9.839940,90.588676,83.640190

15.0097942,1.121037,9.762118,-0.129811,9.827132,90.756866,83.449112

15.0122633,1.113859,9.762118,-0.129811,9.826317,90.756927,83.490692

15.0147305,1.121037,9.766904,-0.125025,9.831824,90.728615,83.452293

15.0171995,1.154537,9.747761,-0.127418,9.816722,90.743698,83.245285

15.0196676,1.137787,9.774082,-0.146560,9.841175,90.853310,83.360161

15.0221357,1.154537,9.781260,-0.127418,9.849987,90.741188,83.268204

15.0246038,1.164108,9.769297,-0.125025,9.839204,90.728065,83.204681

15.0270720,1.156930,9.754940,-0.101097,9.823826,90.589638,83.236351

15.0295410,1.166501,9.750154,-0.077169,9.819990,90.450256,83.177605

15.0320091,1.209572,9.731011,-0.072383,9.806166,90.422928,82.914436

15.0344772,1.223929,9.707084,-0.055633,9.784098,90.325790,82.813721

15.0369453,1.238286,9.719048,-0.062812,9.797815,90.367310,82.739174

15.0394144,1.274178,9.702297,-0.060419,9.785793,90.353752,82.518311

15.0418825,1.314856,9.680762,-0.055633,9.769805,90.326263,82.265327

15.0443506,1.331606,9.692726,-0.029312,9.783812,90.171654,82.177559

15.0468187,1.350748,9.678370,-0.017348,9.772188,90.101715,82.054909

15.0492868,1.355534,9.685548,-0.041276,9.780031,90.241814,82.032959

15.0517559,1.377069,9.664013,-0.034098,9.761691,90.200134,81.890259

15.0542231,1.384248,9.654441,-0.029312,9.753217,90.172195,81.840576

15.0566921,1.355534,9.683155,-0.048455,9.777695,90.283936,82.031013

15.0591602,1.345963,9.719048,-0.058026,9.811975,90.338837,82.115425

15.0616293,1.329213,9.726226,-0.065204,9.816850,90.380569,82.218010

15.0640965,1.295713,9.766904,-0.084347,9.852838,90.490494,82.443054

15.0665655,1.286142,9.762118,-0.067597,9.846709,90.393333,82.494606

15.0690336,1.252643,9.790833,-0.053240,9.870783,90.309036,82.709167

15.0715027,1.228714,9.821939,-0.077169,9.898797,90.446671,82.869400

15.0739698,1.214357,9.805189,-0.077169,9.880403,90.447502,82.939957

15.0764389,1.209572,9.795618,-0.053240,9.870159,90.309059,82.960701

15.0789070,1.209572,9.793225,-0.067597,9.867872,90.392494,82.958992

15.0813751,1.195215,9.759726,-0.077169,9.832941,90.449661,83.018097

15.0838432,1.231107,9.738190,-0.122632,9.816465,90.715782,82.794861

15.0863123,1.228714,9.735797,-0.148953,9.814157,90.869637,82.806969

15.0887814,1.250250,9.723833,-0.141775,9.804905,90.828499,82.673347

15.0912485,1.255036,9.723833,-0.184846,9.806233,91.080078,82.645607

15.0937166,1.269392,9.702297,-0.182453,9.786686,91.068222,82.546089

15.0961847,1.250250,9.731011,-0.168096,9.812439,90.981575,82.678688

15.0986547,1.271785,9.731011,-0.189631,9.815598,91.106987,82.553986

15.1011219,1.283749,9.733404,-0.189631,9.819528,91.106544,82.486565

15.1035900,1.276571,9.742975,-0.194417,9.828174,91.133476,82.535355

15.1060581,1.271785,9.747761,-0.189631,9.832204,91.105118,82.566635

15.1085262,1.307678,9.757333,-0.232702,9.847321,91.354080,82.366707

15.1109953,1.322034,9.733404,-0.242273,9.825764,91.412880,82.265167

15.1134634,1.341177,9.745368,-0.266202,9.840824,91.550079,82.164063

15.1159315,1.343570,9.719048,-0.266202,9.815087,91.554146,82.129265

15.1183996,1.326820,9.740582,-0.261416,9.834009,91.523262,82.243156

15.1208687,1.350748,9.728619,-0.251845,9.825170,91.468803,82.095428

15.1233358,1.377069,9.721440,-0.244666,9.821537,91.427452,81.937531

15.1258049,1.357927,9.745368,-0.220738,9.841996,91.285149,82.067436

15.1282740,1.362713,9.738190,-0.156132,9.834312,90.909676,82.034050

15.1307421,1.365105,9.745368,-0.172881,9.842031,91.006485,82.026047

15.1332092,1.343570,9.750154,-0.153739,9.843492,90.894897,82.154060

15.1356783,1.348356,9.745368,-0.158524,9.839481,90.923134,82.122650

15.1381474,1.336391,9.759726,-0.175274,9.852356,91.019348,82.203026

15.1406145,1.317249,9.769297,-0.170489,9.859177,90.990829,82.320801

15.1430826,1.350748,9.795618,-0.187238,9.890081,91.084785,82.148819

15.1455517,1.338784,9.805189,-0.168096,9.897593,90.973129,82.225006

15.1480207,1.341177,9.807582,-0.148953,9.899981,90.862091,82.213158

15.1504879,1.348356,9.817153,-0.148953,9.910436,90.861183,82.179535

15.1529560,1.307678,9.807582,-0.129811,9.895227,90.751656,82.405357

15.1554241,1.314856,9.821939,-0.117847,9.910257,90.681343,82.375183

15.1578941,1.302892,9.790833,-0.098704,9.877635,90.572548,82.420029

15.1603613,1.255036,9.778868,-0.086740,9.859457,90.504074,82.686546

15.1628294,1.243071,9.771689,-0.050847,9.850570,90.295753,82.750259

15.1652975,1.211965,9.731011,-0.062812,9.806395,90.366989,82.900558

15.1677675,1.185644,9.716655,-0.048455,9.788845,90.283615,83.043060

15.1702347,1.166501,9.723833,-0.024526,9.793583,90.143486,83.159309

15.1727028,1.144966,9.680762,-0.012562,9.748244,90.073837,83.254829

15.1751709,1.109073,9.649655,-0.062812,9.713384,90.370506,83.443535

15.1776400,1.118645,9.604192,-0.103490,9.669673,90.613220,83.356430

15.1801081,1.101895,9.606585,-0.163310,9.670952,90.967583,83.456650

15.1825752,1.087538,9.620942,-0.230309,9.684953,91.362625,83.550743

15.1850443,1.075574,9.649655,-0.285344,9.713605,91.683350,83.639923

15.1875134,1.025324,9.685548,-0.361914,9.746389,92.128067,83.957100

15.1899815,1.008575,9.771689,-0.383450,9.831081,92.235321,84.107140

15.1924486,0.977468,9.821939,-0.416949,9.879259,92.418861,84.316704

15.1949177,0.958325,9.855438,-0.433699,9.911415,92.507919,84.446121

15.1973867,0.972682,9.848260,-0.419342,9.905059,92.426407,84.359367

15.1998539,0.989432,9.838689,-0.395414,9.896217,92.289925,84.257332

15.2023220,1.010968,9.807582,-0.376271,9.866727,92.185524,84.114723

15.2047911,1.025324,9.786046,-0.321236,9.844855,91.869888,84.018707

15.2072601,1.058824,9.778868,-0.335593,9.841747,91.954109,83.820274

15.2097273,1.054038,9.776475,-0.292523,9.837481,91.703972,83.846497

15.2121954,1.099502,9.740582,-0.266202,9.806055,91.555580,83.559799

15.2146645,1.161715,9.757333,-0.213559,9.828568,91.245049,83.210281

15.2171335,1.202393,9.759726,-0.168096,9.834950,90.979332,82.976578

15.2196007,1.252643,9.766904,-0.156132,9.848142,90.908401,82.691498

15.2220688,1.288535,9.750154,-0.156132,9.836168,90.909508,82.471680

15.2245369,1.329213,9.754940,-0.125025,9.845877,90.727570,82.240639

15.2270069,1.367498,9.735797,-0.153739,9.832570,90.895897,82.004494

15.2294741,1.400998,9.726226,-0.151346,9.827775,90.882378,81.803307

15.2319422,1.374677,9.723833,-0.136989,9.821478,90.799179,81.953316

15.2344103,1.348356,9.735797,-0.120239,9.829459,90.700890,82.114998

15.2368793,1.317249,9.750154,-0.060419,9.838918,90.351845,82.305908

15.2393475,1.267000,9.764511,-0.041276,9.846455,90.240181,82.606857

15.2418156,1.262214,9.742975,0.016152,9.824409,89.905807,82.618378

15.2442837,1.223929,9.757333,0.052044,9.833934,89.696770,82.850342

15.2467527,1.204786,9.733404,0.085543,9.808057,89.500275,82.943901

15.2492208,1.133002,9.690333,0.133400,9.757256,89.216637,83.331207

15.2516880,1.087538,9.699904,0.126221,9.761497,89.259117,83.602806

15.2541571,1.037289,9.671191,0.080758,9.726995,89.524300,83.878113

15.2566261,0.939183,9.671191,0.044865,9.716790,89.735443,84.453323

15.2590942,0.867398,9.687941,-0.036491,9.726763,90.214951,84.883736

15.2615614,0.836291,9.683155,-0.046062,9.719311,90.271538,85.063866

15.2640305,0.809970,9.723833,-0.077169,9.757814,90.453125,85.238403

15.2664995,0.786042,9.778868,-0.101097,9.810929,90.590416,85.404350

15.2689667,0.776471,9.786046,-0.062812,9.817002,90.366592,85.463387

15.2714348,0.790828,9.798011,-0.053240,9.830019,90.310318,85.385483

15.2739038,0.795614,9.814760,-0.034098,9.847014,90.198402,85.365570

15.2763729,0.795614,9.790833,-0.019741,9.823126,90.115143,85.354294

15.2788401,0.800399,9.762118,0.025723,9.794910,89.849533,85.312782

15.2813082,0.829113,9.754940,0.032901,9.790167,89.807449,85.141869

15.2837763,0.876970,9.735797,0.042473,9.775307,89.751053,84.852867

15.2862463,0.881755,9.704690,0.028116,9.744706,89.834686,84.808434

15.2887135,0.934397,9.673584,0.013759,9.718616,89.918884,84.482765

15.2911816,0.970290,9.680762,0.040080,9.729348,89.763969,84.276436

15.2936497,0.984646,9.664013,0.008973,9.714049,89.947075,84.182327

15.2961197,1.034896,9.697512,0.006580,9.752579,89.961342,83.908585

15.2985868,1.054038,9.704690,0.023330,9.761790,89.863068,83.801331

15.3010550,1.097109,9.731011,0.018544,9.792680,89.891502,83.567429

15.3035231,1.111466,9.752547,-0.022134,9.815702,90.129196,83.498238

15.3059921,1.116252,9.757333,-0.010169,9.820981,90.059326,83.473663

15.3084602,1.123430,9.776475,-0.005384,9.840812,90.031349,83.444801

15.3109274,1.133002,9.774082,0.020937,9.839554,89.878082,83.387840

15.3133965,1.168894,9.771689,0.006580,9.841355,89.961693,83.178665

15.3158655,1.149751,9.759726,-0.017348,9.827231,90.101143,83.281197

15.3183336,1.166501,9.764511,-0.036491,9.834009,90.212608,83.187538

15.3208008,1.176072,9.769297,-0.010169,9.839838,90.059212,83.135506

15.3232698,1.185644,9.786046,0.001795,9.857609,89.989571,83.091911

15.3257389,1.195215,9.798011,-0.002991,9.870641,90.017365,83.045113

15.3282070,1.192822,9.774082,0.013759,9.846608,89.919937,83.042068

15.3306742,1.211965,9.778868,0.006580,9.853687,89.961739,82.934952

15.3331432,1.216750,9.757333,-0.058026,9.833076,90.338112,82.891846

15.3356123,1.228714,9.726226,-0.081954,9.803873,90.478966,82.799965

15.3380795,1.204786,9.731011,-0.122632,9.806076,90.716545,82.942184

15.3405476,1.216750,9.728619,-0.158524,9.805694,90.926315,82.871078

15.3430166,1.185644,9.716655,-0.194417,9.790655,91.137817,83.043060

15.3454857,1.147358,9.714262,-0.230309,9.784495,91.348763,83.263962

15.3479528,1.116252,9.738190,-0.261416,9.805442,91.527702,83.460945

15.3504210,1.080359,9.750154,-0.278166,9.813769,91.624237,83.677170

15.3528891,1.037289,9.742975,-0.251845,9.801273,91.472382,83.922882

15.3553591,1.025324,9.754940,-0.225524,9.811269,91.317123,83.999771

15.3578262,0.975075,9.728619,-0.208774,9.779590,91.223236,84.276505

15.3602943,0.977468,9.740582,-0.168096,9.790947,90.983734,84.269547

15.3627625,0.982254,9.726226,-0.136989,9.776659,90.802849,84.233238

15.3652315,0.987039,9.716655,-0.168096,9.768106,90.986031,84.199661

15.3676996,1.022932,9.723833,-0.172881,9.779018,91.012978,83.994667

15.3701677,1.020539,9.716655,-0.180060,9.771761,91.055824,84.004219

15.3726358,1.044467,9.762118,-0.199202,9.819855,91.162361,83.893051

15.3751049,1.049253,9.742975,-0.199202,9.801335,91.164558,83.853317

15.3775730,1.099502,9.754940,-0.177667,9.818316,91.036850,83.569199

15.3800402,1.068395,9.747761,-0.177667,9.807746,91.037971,83.745110

15.3825092,1.068395,9.771689,-0.180060,9.831573,91.049400,83.760307

15.3849783,1.073181,9.793225,-0.182453,9.853541,91.060974,83.746254

15.3874464,1.070788,9.802796,-0.194417,9.863022,91.129471,83.766129

15.3899136,1.097109,9.802796,-0.180060,9.865643,91.045776,83.614143

15.3923826,1.125823,9.809975,-0.160917,9.875676,90.933640,83.453201

15.3948517,1.152144,9.805189,-0.184846,9.874377,91.072624,83.298279

15.3973188,1.154537,9.793225,-0.168096,9.862478,90.976593,83.276352

15.3997869,1.185644,9.781260,-0.151346,9.854020,90.880028,83.088562

15.4022560,1.190429,9.759726,-0.125025,9.832853,90.728539,83.045776

15.4047251,1.221536,9.750154,-0.120239,9.827111,90.701057,82.858978

15.4071922,1.259821,9.745368,-0.113061,9.827112,90.659203,82.634003

15.4096603,1.250250,9.742975,-0.086740,9.823249,90.505928,82.687584

15.4121284,1.267000,9.707084,-0.081954,9.789763,90.479652,82.563614

15.4145985,1.267000,9.735797,-0.108275,9.818490,90.631851,82.585297

15.4170656,1.310070,9.709476,-0.084347,9.797823,90.493248,82.315659

15.4195337,1.317249,9.704690,-0.113061,9.794332,90.661407,82.270294

15.4220018,1.319642,9.711869,-0.089133,9.801520,90.521042,82.262077

15.4244719,1.362713,9.709476,-0.134596,9.805562,90.786499,82.010796

15.4269390,1.360320,9.721440,-0.141775,9.817178,90.827469,82.034332

15.4294071,1.374677,9.702297,-0.141775,9.800225,90.828896,81.935684

15.4318752,1.403391,9.697512,-0.139382,9.799523,90.814964,81.765518

15.4343443,1.398605,9.699904,-0.136989,9.801173,90.800835,81.795212

15.4368124,1.453640,9.695119,-0.139382,9.804480,90.814552,81.472862

15.4392796,1.477568,9.702297,-0.158524,9.815442,90.925400,81.340927

15.4417486,1.491925,9.719048,-0.196810,9.834859,91.146645,81.272919

15.4442177,1.513460,9.740582,-0.244666,9.860496,91.421814,81.168190

15.4466867,1.503889,9.733404,-0.311665,9.853830,91.812500,81.216797

15.4491529,1.523032,9.759726,-0.359522,9.884388,92.084457,81.130379

15.4516220,1.554138,9.759726,-0.373879,9.889761,92.166557,80.952187

15.4540911,1.556531,9.769297,-0.409771,9.901003,92.371964,80.947220

15.4565601,1.558924,9.781260,-0.393021,9.912505,92.272316,80.944443

15.4590263,1.561317,9.798011,-0.407378,9.929989,92.351219,80.946022

15.4614954,1.551746,9.795618,-0.404985,9.926029,92.338333,80.998451

15.4639645,1.532603,9.762118,-0.390628,9.889409,92.263756,81.077682

15.4664316,1.537389,9.795618,-0.440878,9.925324,92.545883,81.080383

15.4688997,1.506282,9.778868,-0.440878,9.904015,92.551369,81.243301

15.4713678,1.513460,9.764511,-0.486341,9.893066,92.817787,81.189491

15.4738379,1.479961,9.757333,-0.448056,9.879098,92.599480,81.375298

15.4763050,1.453640,9.742975,-0.452842,9.861222,92.632034,81.514137

15.4787731,1.410569,9.719048,-0.440878,9.830767,92.570389,81.742065

15.4812412,1.384248,9.747761,-0.412164,9.854179,92.397171,81.917656

15.4837112,1.302892,9.752547,-0.385843,9.846754,92.245697,82.390625

15.4861794,1.293321,9.721440,-0.330808,9.812671,91.931938,82.421982

15.4886465,1.211965,9.726226,-0.309272,9.806323,91.807297,82.897102

15.4911146,1.171287,9.735797,-0.270987,9.809745,91.582954,83.139877

15.4935837,1.130609,9.723833,-0.251845,9.792581,91.473686,83.367889

15.4960527,1.097109,9.752547,-0.239880,9.816994,91.400177,83.581520

15.4985199,1.039681,9.726226,-0.235095,9.784461,91.376801,83.898560

15.5009880,0.989432,9.711869,-0.232702,9.764914,91.365509,84.182854

15.5034571,0.987039,9.714262,-0.208774,9.766510,91.224876,84.198242

15.5059261,0.939183,9.740582,-0.165703,9.787158,90.970100,84.492592

15.5083923,0.936790,9.740582,-0.134596,9.786452,90.788033,84.506538

15.5108614,0.915255,9.754940,-0.096311,9.798256,90.563194,84.639931

15.5133305,0.898505,9.764511,-0.053240,9.805908,90.311081,84.742599

15.5157995,0.862613,9.754940,-0.024526,9.793036,90.143494,84.946579

15.5182657,0.838684,9.764511,0.001795,9.800463,89.989510,85.090851

15.5207348,0.821935,9.764511,0.040080,9.799126,89.765648,85.188431

15.5232038,0.836291,9.759726,0.059222,9.795670,89.653603,85.102402

15.5256720,0.798006,9.759726,0.068794,9.792537,89.597488,85.325592

15.5281391,0.824327,9.742975,0.059222,9.777965,89.652977,85.163872

15.5306082,0.814756,9.735797,0.030508,9.769877,89.821083,85.216255

15.5330772,0.841077,9.719048,0.042473,9.755465,89.750549,85.054001

15.5355453,0.869791,9.728619,0.011366,9.767430,89.933327,84.891029

15.5380125,0.876970,9.726226,0.020937,9.765704,89.877159,84.847832

15.5404806,0.905683,9.733404,0.004187,9.775451,89.975456,84.683990

15.5429506,0.917647,9.754940,-0.007777,9.798010,90.045479,84.625999

15.5454187,0.970290,9.752547,-0.034098,9.800755,90.199341,84.318291

15.5478859,0.960718,9.754940,-0.041276,9.802221,90.241264,84.375343

15.5503540,0.987039,9.757333,-0.060419,9.807315,90.352974,84.223679

15.5528240,1.003789,9.786046,-0.103490,9.837936,90.602730,84.143456

15.5552921,1.044467,9.766904,-0.136989,9.823547,90.799011,83.896019

15.5577593,1.070788,9.786046,-0.201595,9.846519,91.173141,83.755547

15.5602274,1.111466,9.786046,-0.206381,9.851124,91.200432,83.520302

15.5626965,1.092324,9.809975,-0.230309,9.873288,91.336632,83.646385

15.5651655,1.137787,9.805189,-0.208774,9.873190,91.211639,83.381042

15.5676317,1.149751,9.817153,-0.227916,9.886879,91.320923,83.320145

15.5701008,1.190429,9.800404,-0.225524,9.875013,91.308624,83.074364

15.5725698,1.202393,9.800404,-0.225524,9.876463,91.308434,83.005440

15.5750389,1.197608,9.790833,-0.235095,9.866608,91.365334,83.026260

15.5775051,1.173679,9.781260,-0.242273,9.854403,91.408775,83.157639

15.5799742,1.185644,9.764511,-0.261416,9.839704,91.522385,83.076820

15.5824432,1.142573,9.754940,-0.254237,9.824915,91.482796,83.319519

15.5849123,1.125823,9.752547,-0.247059,9.820422,91.441582,83.414986

15.5873785,1.092324,9.735797,-0.227916,9.799534,91.332695,83.598381

15.5898476,1.051646,9.726226,-0.247059,9.786035,91.446648,83.828880

15.5923166,1.015753,9.692726,-0.213559,9.748143,91.255318,84.017502

15.5947847,1.003789,9.695119,-0.189631,9.748789,91.114578,84.088913

15.5972519,0.996611,9.702297,-0.168096,9.754797,90.987373,84.135201

15.5997210,0.972682,9.690333,-0.132203,9.739925,90.777718,84.268044

15.6021900,0.994218,9.685548,-0.113061,9.737099,90.665298,84.139137

15.6046581,1.006182,9.709476,-0.053240,9.761618,90.312492,84.083618

15.6071253,0.994218,9.728619,-0.034098,9.779348,90.199776,84.164902

15.6095934,0.987039,9.723833,-0.036491,9.773869,90.213913,84.203918

15.6120634,0.967897,9.714262,-0.002991,9.762362,90.017555,84.310020

15.6145315,1.008575,9.750154,0.001795,9.802180,89.989510,84.094215

15.6169987,1.008575,9.740582,0.054437,9.792809,89.681503,84.088455

15.6194668,1.018146,9.735797,0.064008,9.789099,89.625359,84.029846

15.6219358,1.027717,9.728619,0.092722,9.783191,89.456963,83.969719

15.6244049,1.049253,9.714262,0.087936,9.771159,89.484352,83.835289

15.6268721,1.058824,9.704690,0.102293,9.762816,89.399651,83.773407

15.6293402,1.049253,9.709476,0.078365,9.766320,89.540253,83.832275

15.6318092,1.025324,9.711869,0.013759,9.765853,89.919281,83.973358

15.6342783,1.020539,9.723833,-0.002991,9.777241,90.017525,84.008606

15.6367445,1.020539,9.735797,-0.053240,9.789284,90.311615,84.015915

15.6392136,1.018146,9.752547,-0.084347,9.805912,90.492844,84.040024

15.6416826,1.010968,9.764511,-0.141775,9.817731,90.827415,84.088951

15.6441517,1.001396,9.793225,-0.170489,9.845767,90.992180,84.161568

15.6466179,0.994218,9.826724,-0.184846,9.878620,91.072166,84.222763

15.6490870,0.987039,9.838689,-0.211167,9.890330,91.223404,84.271126

15.6515560,0.984646,9.857831,-0.211167,9.909135,91.221085,84.295944

15.6540241,0.989432,9.829117,-0.249452,9.881940,91.446480,84.251778

15.6564913,0.989432,9.821939,-0.266202,9.875237,91.544678,84.247604

15.6589603,0.982254,9.824331,-0.299701,9.877860,91.738663,84.290443

15.6614294,0.994218,9.824331,-0.294915,9.878914,91.710709,84.221367

15.6638975,1.015753,9.805189,-0.316451,9.862740,91.838676,84.085632

15.6663647,1.051646,9.790833,-0.316451,9.852234,91.840637,83.869293

15.6688328,1.087538,9.747761,-0.340379,9.814145,91.987556,83.633949

15.6713028,1.089931,9.738190,-0.347557,9.805156,92.031357,83.613846

15.6737709,1.137787,9.733404,-0.340379,9.805590,91.989296,83.332664

15.6762381,1.144966,9.735797,-0.376271,9.810110,92.198143,83.292618

15.6787062,1.197608,9.731011,-0.393021,9.812304,92.295532,82.983818

15.6811762,1.195215,9.740582,-0.381057,9.821033,92.223640,83.004509

15.6836443,1.216750,9.766904,-0.361914,9.849054,92.105873,82.898743

15.6861115,1.271785,9.742975,-0.328415,9.831117,91.914360,82.563026

15.6885796,1.293321,9.726226,-0.290130,9.816126,91.693703,82.425667

15.6910486,1.305285,9.699904,-0.266202,9.790954,91.557976,82.335930

15.6935177,1.345963,9.709476,-0.232702,9.805085,91.359917,82.107750

15.6959839,1.357927,9.699904,-0.213559,9.796822,91.249084,82.030739

15.6984529,1.348356,9.690333,-0.235095,9.786515,91.376511,82.078476

15.7009220,1.350748,9.675977,-0.223131,9.772351,91.308342,82.052971

15.7033911,1.357927,9.680762,-0.251845,9.778780,91.475769,82.015182

15.7058573,1.357927,9.707084,-0.256630,9.804962,91.499802,82.036552

15.7083263,1.345963,9.714262,-0.242273,9.810056,91.415146,82.111588

15.7107954,1.329213,9.750154,-0.218345,9.842764,91.271111,82.236870

15.7132645,1.322034,9.723833,-0.203988,9.815413,91.190834,82.257645

15.7157307,1.281357,9.738190,-0.192024,9.824005,91.119995,82.504051

15.7181997,1.267000,9.747761,-0.148953,9.830886,90.868156,82.594299

15.7206688,1.219143,9.738190,-0.117847,9.814914,90.687958,82.864151

15.7231369,1.231107,9.726226,-0.074776,9.804116,90.436996,82.786087

15.7256041,1.192822,9.711869,-0.050847,9.784979,90.297737,82.997940

15.7280731,1.183251,9.697512,-0.048455,9.769553,90.284172,83.043388

15.7305422,1.176072,9.702297,-0.043669,9.773415,90.256004,83.088562

15.7330103,1.166501,9.692726,-0.089133,9.763074,90.523094,83.137566

15.7354774,1.149751,9.692726,-0.103490,9.761229,90.607468,83.235184

15.7379456,1.164108,9.697512,-0.125025,9.767933,90.733376,83.154854

15.7404156,1.128216,9.719048,-0.148953,9.785445,90.872185,83.378571

15.7428837,1.123430,9.733404,-0.165703,9.799424,90.968887,83.416054

15.7453508,1.109073,9.781260,-0.163310,9.845292,90.950447,83.530998

15.7478189,1.104288,9.795618,-0.139382,9.858651,90.810074,83.568039

15.7502880,1.070788,9.812367,-0.134596,9.871538,90.781242,83.772163

15.7527571,1.044467,9.841082,-0.172881,9.897862,91.000809,83.941689

15.7552242,1.034896,9.819546,-0.182453,9.875615,91.058601,83.983727

15.7576923,1.039681,9.819546,-0.211167,9.876690,91.225098,83.956108

15.7601614,1.030110,9.824331,-0.232702,9.880929,91.349480,84.014244

15.7626305,1.001396,9.807582,-0.297308,9.863054,91.727364,84.170059

15.7650967,1.042074,9.798011,-0.333201,9.858903,91.936790,83.929092

15.7675657,1.070788,9.778868,-0.376271,9.844512,92.190460,83.750999

15.7700348,1.087538,9.778868,-0.409771,9.847685,92.384819,83.654037

15.7725039,1.130609,9.764511,-0.409771,9.838286,92.387093,83.395271

15.7749701,1.147358,9.774082,-0.345165,9.847246,92.008736,83.304810

15.7774391,1.183251,9.750154,-0.314058,9.826710,91.831467,83.080582

15.7799082,1.216750,9.750154,-0.314058,9.830800,91.830704,82.886665

15.7823763,1.231107,9.716655,-0.282951,9.798422,91.654770,82.779060

15.7848434,1.257428,9.709476,-0.275773,9.794442,91.613434,82.620964

15.7873125,1.235893,9.692726,-0.254237,9.774508,91.490448,82.733582

15.7897816,1.276571,9.697512,-0.249452,9.784354,91.460915,82.500763

15.7922497,1.257428,9.690333,-0.261416,9.775071,91.532448,82.606552

15.7947168,1.276571,9.702297,-0.242273,9.788918,91.418198,82.504417

15.7971849,1.295713,9.702297,-0.244666,9.791492,91.431831,82.393326

15.7996550,1.300499,9.716655,-0.242273,9.806293,91.415688,82.376709

15.8021231,1.302892,9.721440,-0.199202,9.810383,91.163483,82.366562

15.8045902,1.317249,9.747761,-0.199202,9.838377,91.160172,82.304039

15.8070583,1.307678,9.771689,-0.170489,9.860274,90.990723,82.377785

15.8095284,1.319642,9.793225,-0.146560,9.882823,90.849716,82.325592

15.8119965,1.319642,9.805189,-0.089133,9.893994,90.516174,82.334846

15.8144636,1.314856,9.790833,-0.086740,9.879107,90.503067,82.351250

15.8169317,1.286142,9.769297,-0.058026,9.853765,90.337402,82.500061

15.8194008,1.259821,9.747761,-0.067597,9.829067,90.394043,82.635796

15.8218699,1.209572,9.764511,-0.079561,9.839465,90.463295,82.938499

15.8243361,1.168894,9.754940,-0.091525,9.825149,90.533745,83.167061

15.8268051,1.099502,9.742975,-0.084347,9.805182,90.492882,83.561371

15.8292742,1.063610,9.726226,-0.101097,9.784731,90.591995,83.759224

15.8317432,1.037289,9.740582,-0.115454,9.796338,90.675270,83.921402

15.8342094,1.001396,9.731011,-0.136989,9.783360,90.802299,84.124504

15.8366785,0.965504,9.735797,-0.146560,9.784652,90.858246,84.336464

15.8391476,0.932004,9.742975,-0.117847,9.788160,90.689842,84.535767

15.8416166,0.929612,9.745368,-0.096311,9.790079,90.563660,84.551041

15.8440828,0.893719,9.733404,-0.125025,9.775148,90.732841,84.753822

15.8465519,0.841077,9.757333,-0.110668,9.794141,90.647423,85.073311

15.8490210,0.838684,9.742975,-0.127418,9.779836,90.746506,85.080055

15.8514891,0.798006,9.747761,-0.132203,9.781264,90.774429,85.319885

15.8539562,0.778864,9.774082,-0.132203,9.805957,90.772484,85.443916

15.8564253,0.800399,9.745368,-0.122632,9.778951,90.718529,85.304764

15.8588943,0.790828,9.750154,-0.136989,9.783134,90.802315,85.362930

15.8613625,0.821935,9.716655,-0.156132,9.752606,90.917297,85.164841

15.8638296,0.824327,9.719048,-0.196810,9.755928,91.155922,85.152023

15.8662977,0.845863,9.759726,-0.168096,9.797754,90.983047,85.046623

15.8687677,0.853041,9.759726,-0.172881,9.798459,91.010963,85.004799

15.8712358,0.881755,9.766904,-0.158524,9.807906,90.926109,84.841324

15.8737040,0.874577,9.798011,-0.168096,9.838402,90.978989,84.899261

15.8761711,0.910469,9.812367,-0.172881,9.856033,91.005058,84.698822

15.8786402,0.929612,9.819546,-0.182453,9.865138,91.059731,84.591957

15.8811092,0.965504,9.826724,-0.163310,9.875393,90.947548,84.388535

15.8835773,0.984646,9.819546,-0.153739,9.869987,90.892502,84.273857

15.8860445,1.003789,9.817153,-0.199202,9.870348,91.156418,84.161880

15.8885136,1.008575,9.819546,-0.227916,9.873837,91.322670,84.135658

15.8909826,1.061217,9.812367,-0.247059,9.872678,91.433952,83.827400

15.8934488,1.089931,9.802796,-0.244666,9.866237,91.420982,83.655586

15.8959179,1.097109,9.798011,-0.270987,9.862966,91.574409,83.611053

15.8983870,1.142573,9.795618,-0.297308,9.866509,91.726761,83.347015

15.9008560,1.183251,9.766904,-0.290130,9.842595,91.689148,83.092339

15.9033222,1.216750,9.769297,-0.309272,9.849634,91.799347,82.900459

15.9057913,1.250250,9.771689,-0.287737,9.855549,91.673012,82.708839

15.9082603,1.276571,9.766904,-0.282951,9.854040,91.645432,82.553444

15.9107294,1.290928,9.757333,-0.270987,9.846089,91.577110,82.463348

15.9131966,1.300499,9.759726,-0.266202,9.849589,91.548706,82.409958

15.9156647,1.331606,9.742975,-0.268594,9.837219,91.564590,82.217407

15.9181337,1.341177,9.759726,-0.247059,9.854544,91.436584,82.175446

15.9206018,1.357927,9.757333,-0.244666,9.854408,91.422691,82.077042

15.9230700,1.362713,9.742975,-0.242273,9.840796,91.410721,82.037910

15.9255371,1.379462,9.742975,-0.270987,9.843877,91.577469,81.941322

15.9280071,1.391426,9.711869,-0.275773,9.814913,91.610069,81.846680

15.9304752,1.391426,9.707084,-0.263809,9.809849,91.541000,81.842712

15.9329433,1.422533,9.716655,-0.273380,9.824038,91.594612,81.670982

15.9354105,1.434497,9.707084,-0.290130,9.816793,91.693588,81.593765

15.9378805,1.460818,9.697512,-0.285344,9.811072,91.666618,81.433464

15.9403486,1.470389,9.711869,-0.282951,9.826623,91.650024,81.390732

15.9428167,1.491925,9.690333,-0.278166,9.808455,91.625114,81.247459

15.9452839,1.475175,9.711869,-0.256630,9.826617,91.496498,81.363129

15.9477530,1.453640,9.685548,-0.256630,9.797385,91.500961,81.464561

15.9502220,1.417747,9.704690,-0.242273,9.810694,91.415054,81.688515

15.9526901,1.379462,9.692726,-0.247059,9.793512,91.445541,81.900101

15.9551573,1.353141,9.683155,-0.251845,9.780486,91.475510,82.044899

15.9576263,1.307678,9.697512,-0.230309,9.787992,91.348282,82.320175

15.9600954,1.262214,9.719048,-0.177667,9.802277,91.038551,82.600403

15.9625626,1.204786,9.716655,-0.170489,9.792546,90.997574,82.931862

15.9650307,1.166501,9.716655,-0.165703,9.787827,90.970032,83.154305

15.9674997,1.142573,9.702297,-0.148953,9.770477,90.873520,83.283607

15.9699688,1.104288,9.707084,-0.144168,9.770758,90.845428,83.509872

15.9724360,1.080359,9.692726,-0.158524,9.754037,90.931221,83.640015

15.9749041,1.077967,9.687941,-0.165703,9.749137,90.973885,83.650879

15.9773731,1.056431,9.709476,-0.148953,9.767915,90.873749,83.790413

15.9798412,1.037289,9.711869,-0.136989,9.768067,90.803551,83.903564

15.9823093,1.010968,9.731011,-0.160917,9.784709,90.942314,84.068741

15.9847775,0.987039,9.754940,-0.163310,9.806108,90.954247,84.222275

15.9872465,0.984646,9.783653,-0.141775,9.834099,90.826042,84.252991

15.9897146,0.958325,9.793225,-0.165703,9.841398,90.964752,84.411064

15.9921827,0.960718,9.795618,-0.134596,9.843537,90.783463,84.398552

15.9946499,0.922433,9.788439,-0.127418,9.832632,90.742500,84.616516

15.9971199,0.886541,9.759726,-0.148953,9.801040,90.870796,84.809685

15.9995880,0.860220,9.766904,-0.113061,9.805364,90.660667,84.966667

16.0020561,0.853041,9.766904,-0.086740,9.804469,90.506897,85.008453

16.0045242,0.819542,9.752547,-0.108275,9.787520,90.633850,85.196518

16.0069942,0.795614,9.764511,-0.096311,9.797344,90.563248,85.341820

16.0094604,0.795614,9.757333,-0.096311,9.790190,90.563660,85.338409

16.0119286,0.783649,9.754940,-0.089133,9.786772,90.521828,85.407089

16.0143967,0.766900,9.752547,-0.125025,9.783452,90.732216,85.503754

16.0168667,0.771685,9.747761,-0.134596,9.779184,90.788620,85.473595

16.0193348,0.788435,9.754940,-0.148953,9.787884,90.871971,85.379158

16.0218010,0.807578,9.752547,-0.127418,9.786757,90.745979,85.266319

16.0242710,0.850648,9.793225,-0.139382,9.831088,90.812347,85.035698

16.0267391,0.841077,9.781260,-0.160917,9.818674,90.939056,85.085304

16.0292072,0.867398,9.824331,-0.156132,9.863785,90.906960,84.954391

16.0316753,0.900898,9.805189,-0.170489,9.847965,90.991959,84.750420

16.0341434,0.934397,9.814760,-0.168096,9.860572,90.976784,84.561646

16.0366135,0.946361,9.812367,-0.168096,9.859331,90.976906,84.491104

16.0390816,0.965504,9.807582,-0.144168,9.856046,90.838112,84.377655

16.0415478,1.027717,9.809975,-0.134596,9.864579,90.781792,84.019371

16.0440178,1.037289,9.783653,-0.120239,9.839222,90.700195,83.947960

16.0464859,1.056431,9.800404,-0.122632,9.857941,90.712776,83.847580

16.0489540,1.077967,9.774082,-0.122632,9.834110,90.714500,83.706383

16.0514221,1.075574,9.735797,-0.110668,9.795654,90.647324,83.695747

16.0538902,1.097109,9.745368,-0.132203,9.807819,90.772339,83.576828

16.0563602,1.099502,9.733404,-0.129811,9.796168,90.759254,83.555092

16.0588264,1.104288,9.731011,-0.120239,9.794207,90.703415,83.525696

16.0612946,1.152144,9.731011,-0.134596,9.799905,90.786949,83.247658

16.0637627,1.159323,9.752547,-0.168096,9.822651,90.980553,83.220848

16.0662327,1.144966,9.750154,-0.144168,9.818210,90.841347,83.302399

16.0687008,1.185644,9.757333,-0.206381,9.831271,91.202858,83.071777

16.0711689,1.183251,9.735797,-0.201595,9.809509,91.177567,83.070480

16.0736370,1.202393,9.762118,-0.215952,9.838259,91.257759,82.978287

16.0761051,1.178465,9.752547,-0.213559,9.825811,91.245392,83.109978

16.0785732,1.219143,9.762118,-0.206381,9.840116,91.201775,82.881462

16.0810413,1.204786,9.764511,-0.201595,9.840621,91.173843,82.966156

16.0835094,1.188036,9.747761,-0.213559,9.822213,91.245850,83.051186

16.0859795,1.180858,9.733404,-0.194417,9.806701,91.135956,83.082672

16.0884476,1.183251,9.726226,-0.168096,9.799378,90.982887,83.063728

16.0909138,1.188036,9.702297,-0.151346,9.775935,90.887062,83.018944

16.0933838,1.166501,9.671191,-0.136989,9.742249,90.805679,83.122429

16.0958519,1.176072,9.656834,-0.139382,9.729183,90.820854,83.056343

16.0983200,1.135394,9.661619,-0.158524,9.729396,90.933578,83.297569

16.1007881,1.140180,9.668798,-0.158524,9.737084,90.932846,83.274536

16.1032562,1.111466,9.702297,-0.182453,9.767457,91.070328,83.464851

16.1057262,1.099502,9.742975,-0.192024,9.806699,91.121971,83.561371

16.1081924,1.073181,9.762118,-0.215952,9.823305,91.259674,83.726486

16.1106606,1.032503,9.776475,-0.196810,9.832815,91.146889,83.971283

16.1131306,1.051646,9.793225,-0.175274,9.851089,91.019485,83.870781

16.1155987,1.054038,9.793225,-0.199202,9.851799,91.158592,83.856941

16.1180668,1.025324,9.798011,-0.213559,9.853827,91.241852,84.025955

16.1205349,1.025324,9.776475,-0.223131,9.832626,91.300316,84.012894

16.1230030,1.001396,9.778868,-0.223131,9.832540,91.300331,84.153061

16.1254730,0.979861,9.769297,-0.247059,9.821422,91.441437,84.272385

16.1279392,0.948754,9.778868,-0.256630,9.828135,91.496269,84.458458

16.1304073,0.958325,9.771689,-0.237488,9.821442,91.385574,84.398819

16.1328754,0.960718,9.745368,-0.218345,9.795042,91.277306,84.369858

16.1353455,0.934397,9.731011,-0.208774,9.777999,91.223434,84.515121

16.1378136,0.979861,9.733404,-0.170489,9.784087,90.998436,84.251404

16.1402817,0.972682,9.759726,-0.134596,9.809000,90.786224,84.308533

16.1427498,0.994218,9.740582,-0.122632,9.791959,90.717575,84.172020

16.1452179,0.991825,9.754940,-0.101097,9.805753,90.590729,84.194450

16.1476879,1.022932,9.757333,-0.120239,9.811543,90.702171,84.015129

16.1501541,1.046860,9.754940,-0.134596,9.811874,90.785988,83.874695

16.1526222,1.070788,9.747761,-0.148953,9.807528,90.870224,83.731216

16.1550922,1.061217,9.764511,-0.172881,9.823530,91.008385,83.797379

16.1575603,1.099502,9.764511,-0.196810,9.828190,91.147423,83.575447

16.1600266,1.140180,9.798011,-0.211167,9.866388,91.226372,83.362427

16.1624966,1.140180,9.805189,-0.213559,9.873569,91.239372,83.367249

16.1649647,1.156930,9.800404,-0.220738,9.870923,91.281380,83.267441

16.1674347,1.173679,9.795618,-0.180060,9.867324,91.045601,83.167572

16.1699009,1.200001,9.795618,-0.196810,9.870809,91.142471,83.015846

16.1723690,1.195215,9.807582,-0.182453,9.881825,91.057938,83.051826

16.1748390,1.204786,9.774082,-0.194417,9.849974,91.130966,82.972977

16.1773052,1.216750,9.752547,-0.189631,9.829986,91.105370,82.888397

16.1797733,1.233500,9.759726,-0.235095,9.840175,91.369003,82.796761

16.1822433,1.235893,9.716655,-0.242273,9.797934,91.416893,82.751289

16.1847115,1.176072,9.721440,-0.251845,9.795559,91.473244,83.102043

16.1871796,1.197608,9.731011,-0.230309,9.807135,91.345650,82.983818

16.1896477,1.200001,9.716655,-0.230309,9.793182,91.347565,82.959656

16.1921158,1.159323,9.704690,-0.196810,9.775673,91.153587,83.187729

16.1945858,1.142573,9.690333,-0.189631,9.759303,91.113373,83.275391

16.1970539,1.121037,9.692726,-0.189631,9.759181,91.113388,83.402618

16.1995201,1.094716,9.699904,-0.192024,9.763371,91.126953,83.560936

16.2019882,1.077967,9.690333,-0.194417,9.752044,91.142326,83.652435

16.2044582,1.092324,9.697512,-0.196810,9.760821,91.155350,83.573318

16.2069263,1.077967,9.711869,-0.206381,9.773689,91.209946,83.666397

16.2093945,1.046860,9.754940,-0.213559,9.813275,91.246986,83.874695

16.2118626,1.042074,9.745368,-0.213559,9.803251,91.248260,83.896545

16.2143307,1.030110,9.769297,-0.225524,9.826044,91.315147,83.980766

16.2168007,1.010968,9.790833,-0.239880,9.845812,91.396072,84.104729

16.2192669,1.006182,9.778868,-0.213559,9.832816,91.244507,84.125313

16.2217350,1.006182,9.795618,-0.180060,9.848805,91.047562,84.135284

16.2242050,1.008575,9.776475,-0.180060,9.830010,91.049568,84.110008

16.2266731,1.013360,9.754940,-0.170489,9.808915,90.995911,84.069283

16.2291393,1.018146,9.754940,-0.184846,9.809670,91.079697,84.041481

16.2316093,1.034896,9.752547,-0.163310,9.808662,90.953995,83.942703

16.2340775,1.066002,9.757333,-0.144168,9.816450,90.841492,83.765083

16.2365475,1.054038,9.742975,-0.129811,9.800685,90.758911,83.825500

16.2390137,1.049253,9.740582,-0.105882,9.797503,90.619209,83.851822

16.2414818,1.034896,9.747761,-0.120239,9.803280,90.702766,83.939751

16.2439518,1.037289,9.726226,-0.105882,9.781955,90.620193,83.912491

16.2464199,1.044467,9.747761,-0.115454,9.804237,90.674728,83.884125

16.2488861,1.013360,9.776475,-0.158524,9.830132,90.924011,84.082260

16.2513561,1.008575,9.764511,-0.153739,9.817664,90.897255,84.102844

16.2538242,1.018146,9.762118,-0.160917,9.816388,90.939278,84.045830

16.2562923,1.027717,9.771689,-0.158524,9.826864,90.924324,83.996109

16.2587605,1.037289,9.771689,-0.153739,9.827793,90.896332,83.940605

16.2612286,1.061217,9.757333,-0.163310,9.816232,90.953262,83.792854

16.2636986,1.075574,9.781260,-0.160917,9.841535,90.936874,83.724815

16.2661667,1.087538,9.776475,-0.156132,9.838017,90.909332,83.652496

16.2686329,1.113859,9.800404,-0.177667,9.865098,91.031937,83.515907

16.2711010,1.135394,9.788439,-0.189631,9.855892,91.102463,83.383636

16.2735710,1.128216,9.793225,-0.192024,9.859869,91.115921,83.428284

16.2760391,1.147358,9.807582,-0.218345,9.876881,91.266724,83.327477

16.2785072,1.149751,9.774082,-0.223131,9.844004,91.298813,83.290977

16.2809753,1.147358,9.769297,-0.218345,9.838865,91.271622,83.301559

16.2834435,1.154537,9.723833,-0.227916,9.794786,91.333344,83.228821

16.2859135,1.164108,9.721440,-0.237488,9.793771,91.389496,83.171547

16.2883797,1.178465,9.716655,-0.194417,9.789788,91.137917,83.084770

16.2908478,1.171287,9.719048,-0.208774,9.791597,91.221741,83.128166

16.2933178,1.180858,9.716655,-0.201595,9.790222,91.179886,83.070862

16.2957859,1.185644,9.716655,-0.220738,9.791214,91.291817,83.043060

16.2982521,1.183251,9.690333,-0.213559,9.764643,91.253197,83.038284

16.3007221,1.171287,9.719048,-0.247059,9.792488,91.445694,83.128166

16.3031902,1.164108,9.731011,-0.282951,9.804479,91.653748,83.178200

16.3056583,1.159323,9.714262,-0.251845,9.786437,91.474617,83.194374

16.3081264,1.144966,9.735797,-0.261416,9.806376,91.527557,83.292618

16.3105946,1.118645,9.750154,-0.242273,9.817106,91.414131,83.455017

16.3130646,1.113859,9.757333,-0.223131,9.823238,91.301559,83.487526

16.3155327,1.101895,9.769297,-0.206381,9.833408,91.202599,83.564713

16.3179989,1.130609,9.759726,-0.187238,9.826778,91.091774,83.392067

16.3204670,1.123430,9.747761,-0.184846,9.814025,91.079224,83.425659

16.3229370,1.144966,9.757333,-0.158524,9.825560,90.924446,83.307281

16.3254051,1.180858,9.735797,-0.146560,9.808244,90.856178,83.084358

16.3278732,1.180858,9.735797,-0.160917,9.808469,90.940033,83.084358

16.3303413,1.192822,9.742975,-0.125025,9.816518,90.729752,83.020073

16.3328114,1.204786,9.716655,-0.132203,9.791954,90.773590,82.931862

16.3352795,1.195215,9.740582,-0.141775,9.814662,90.827675,83.004509

16.3377457,1.188036,9.754940,-0.113061,9.827668,90.659164,83.056244

16.3402138,1.209572,9.745368,-0.086740,9.820529,90.506073,82.924767

16.3426838,1.168894,9.759726,-0.098704,9.829969,90.575325,83.170380

16.3451519,1.173679,9.774082,-0.115454,9.844975,90.671936,83.152664

16.3476200,1.161715,9.747761,-0.122632,9.817508,90.715714,83.203682

16.3500881,1.147358,9.774082,-0.163310,9.842549,90.950706,83.304810

16.3525562,1.085145,9.769297,-0.182453,9.831073,91.063400,83.661736

16.3550262,1.082752,9.783653,-0.235095,9.846191,91.368164,83.684799

16.3574924,1.070788,9.788439,-0.220738,9.849307,91.284195,83.757057

16.3599606,1.039681,9.776475,-0.218345,9.834026,91.272247,83.929680

16.3624306,0.994218,9.807582,-0.237488,9.860706,91.380058,84.211563

16.3648987,0.987039,9.807582,-0.225524,9.859704,91.310654,84.253075

16.3673649,0.972682,9.807582,-0.211167,9.857960,91.227425,84.336121

16.3698349,0.972682,9.798011,-0.223131,9.848701,91.298195,84.330627

16.3723030,0.946361,9.776475,-0.213559,9.824493,91.245560,84.471001

16.3747711,0.920040,9.788439,-0.206381,9.833748,91.202553,84.630402

16.3772392,0.888934,9.786046,-0.196810,9.828307,91.147415,84.809677

16.3797073,0.833899,9.781260,-0.192024,9.818621,91.120613,85.127045

16.3821774,0.798006,9.764511,-0.206381,9.799239,91.206787,85.327873

16.3846455,0.781257,9.745368,-0.203988,9.778761,91.195297,85.416573

16.3871117,0.759721,9.745368,-0.223131,9.777483,91.307655,85.542397

16.3895798,0.795614,9.738190,-0.225524,9.773239,91.322250,85.329285

16.3920498,0.809970,9.723833,-0.247059,9.760636,91.450409,85.238403

16.3945179,0.845863,9.731011,-0.268594,9.771398,91.575134,85.032082

16.3969860,0.874577,9.742975,-0.263809,9.785707,91.544800,84.870598

16.3994541,0.936790,9.738190,-0.230309,9.785855,91.348572,84.505196

16.4019241,0.970290,9.757333,-0.203988,9.807579,91.191780,84.321060

16.4043922,1.022932,9.757333,-0.175274,9.812372,91.023506,84.015129

16.4068584,1.061217,9.762118,-0.163310,9.820989,90.952797,83.795876

16.4093266,1.085145,9.742975,-0.117847,9.803927,90.688728,83.644753

16.4117966,1.144966,9.714262,-0.129811,9.782366,90.760330,83.277878

16.4142647,1.168894,9.726226,-0.108275,9.796811,90.633247,83.147087

16.4167309,1.195215,9.731011,-0.117847,9.804846,90.688667,82.997696

16.4192009,1.202393,9.719048,-0.125025,9.793941,90.731430,82.947479

16.4216690,1.259821,9.726226,-0.134596,9.808402,90.786270,82.619667

16.4241390,1.286142,9.738190,-0.127418,9.823581,90.743179,82.476372

16.4266052,1.278964,9.728619,-0.177667,9.813935,91.037315,82.510612

16.4290733,1.278964,9.745368,-0.206381,9.831100,91.202881,82.523338

16.4315434,1.286142,9.752547,-0.215952,9.839358,91.257614,82.487328

16.4340115,1.295713,9.757333,-0.184846,9.844724,91.075851,82.435730

16.4364777,1.290928,9.776475,-0.156132,9.862573,90.907074,82.477936

16.4389477,1.298106,9.769297,-0.144168,9.856217,90.838097,82.431099

16.4414158,1.290928,9.752547,-0.141775,9.838636,90.825661,82.459694

16.4438839,1.283749,9.728619,-0.117847,9.813660,90.688049,82.482910

16.4463520,1.295713,9.711869,-0.105882,9.798494,90.619148,82.400734

16.4488201,1.278964,9.702297,-0.105882,9.786804,90.619888,82.490524

16.4512901,1.252643,9.695119,-0.096311,9.776181,90.564468,82.637978

16.4537582,1.255036,9.685548,-0.122632,9.767292,90.719391,82.616859

16.4562244,1.245464,9.680762,-0.136989,9.761511,90.804092,82.668968

16.4586926,1.247857,9.695119,-0.170489,9.776582,90.999199,82.665794

16.4611626,1.223929,9.714262,-0.199202,9.793088,91.165543,82.818970

16.4636307,1.197608,9.745368,-0.251845,9.821909,91.469292,82.994049

16.4660988,1.209572,9.745368,-0.263809,9.823689,91.538826,82.924767

16.4685669,1.216750,9.764511,-0.268594,9.843694,91.563560,82.897018

16.4710350,1.197608,9.788439,-0.282951,9.865489,91.643524,83.024574

16.4735050,1.190429,9.819546,-0.306879,9.896200,91.777016,83.087730

16.4759712,1.166501,9.855438,-0.285344,9.928333,91.646927,83.249809

16.4784393,1.178465,9.843474,-0.275773,9.917602,91.593391,83.173019

16.4809093,1.171287,9.848260,-0.270987,9.921369,91.565140,83.217484

16.4833775,1.168894,9.819546,-0.254237,9.892139,91.472717,83.211601

16.4858437,1.164108,9.809975,-0.275773,9.882651,91.599030,83.232597

16.4883137,1.156930,9.793225,-0.299701,9.865879,91.740768,83.262550

16.4907818,1.156930,9.759726,-0.287737,9.832270,91.676971,83.239639

16.4932518,1.147358,9.776475,-0.287737,9.847775,91.674332,83.306435

16.4957180,1.173679,9.754940,-0.278166,9.829229,91.621681,83.139359

16.4981861,1.152144,9.742975,-0.249452,9.814033,91.456490,83.255875

16.5006561,1.128216,9.742975,-0.242273,9.811072,91.415001,83.394691

16.5031242,1.121037,9.728619,-0.220738,9.795482,91.291252,83.426750

16.5055904,1.106681,9.745368,-0.225524,9.810596,91.317215,83.521263

16.5080605,1.089931,9.731011,-0.175274,9.793429,91.025482,83.609169

16.5105286,1.085145,9.723833,-0.141775,9.785222,90.830170,83.632339

16.5129967,1.073181,9.721440,-0.117847,9.781207,90.690331,83.700439

16.5154648,1.061217,9.709476,-0.103490,9.767847,90.607056,83.762505

16.5179329,1.054038,9.699904,-0.077169,9.757310,90.453148,83.798294

16.5204029,1.039681,9.699904,-0.074776,9.755751,90.439163,83.882126

16.5228710,1.056431,9.709476,-0.074776,9.767065,90.438652,83.790413

16.5253372,1.034896,9.685548,-0.091525,9.741110,90.538345,83.901115

16.5278053,1.039681,9.690333,-0.081954,9.746292,90.481789,83.876129

16.5302753,1.044467,9.692726,-0.081954,9.749183,90.481651,83.849663

16.5327435,1.101895,9.726226,-0.041276,9.788531,90.241608,83.536453

16.5352116,1.159323,9.723833,-0.055633,9.792858,90.325500,83.201012

16.5376797,1.214357,9.714262,-0.041276,9.789957,90.241570,82.874550

16.5401478,1.250250,9.752547,-0.060419,9.832545,90.352074,82.694687

16.5426178,1.300499,9.752547,-0.098704,9.839371,90.574776,82.404434

16.5450859,1.326820,9.764511,-0.110668,9.854866,90.643433,82.261932

16.5475521,1.310070,9.766904,-0.117847,9.855079,90.685158,82.360306

16.5500221,1.300499,9.788439,-0.151346,9.875613,90.878105,82.431961

16.5524902,1.281357,9.800404,-0.182453,9.885498,91.057549,82.551102

16.5549564,1.300499,9.793225,-0.189631,9.881019,91.099655,82.435623

16.5574265,1.293321,9.769297,-0.201595,9.856595,91.171944,82.458679

16.5598946,1.298106,9.764511,-0.232702,9.853168,91.353279,82.427429

16.5623646,1.319642,9.752547,-0.244666,9.844465,91.424126,82.293968

16.5648308,1.324427,9.759726,-0.273380,9.852973,91.589928,82.271980

16.5672989,1.329213,9.723833,-0.273380,9.818069,91.595581,82.216118

16.5697689,1.333999,9.731011,-0.275773,9.825893,91.608269,82.194130

16.5722370,1.326820,9.738190,-0.290130,9.832444,91.690895,82.241272

16.5747051,1.317249,9.733404,-0.309272,9.827002,91.803490,82.292824

16.5771732,1.317249,9.714262,-0.280558,9.807178,91.639313,82.277824

16.5796413,1.310070,9.728619,-0.292523,9.820788,91.706871,82.330597

16.5821095,1.314856,9.733404,-0.292523,9.826168,91.705933,82.306656

16.5845776,1.305285,9.728619,-0.282951,9.819870,91.651161,82.358284

16.5870457,1.290928,9.745368,-0.278166,9.834433,91.620819,82.454201

16.5895157,1.271785,9.742975,-0.254237,9.828918,91.482193,82.563026

16.5919838,1.238286,9.781260,-0.227916,9.861965,91.324257,82.784866

16.5944519,1.233500,9.786046,-0.206381,9.865638,91.198669,82.815933

16.5969181,1.211965,9.793225,-0.182453,9.869620,91.059250,82.945206

16.5993881,1.176072,9.786046,-0.194417,9.858379,91.130005,83.147141

16.6018562,1.171287,9.766904,-0.151346,9.838050,90.881462,83.161514

16.6043243,1.140180,9.750154,-0.141775,9.817618,90.827431,83.330147

16.6067924,1.121037,9.742975,-0.125025,9.808054,90.730377,83.436348

16.6092606,1.125823,9.747761,-0.125025,9.813355,90.729988,83.411781

16.6117306,1.077967,9.742975,-0.110668,9.803052,90.646835,83.686455

16.6141968,1.068395,9.707084,-0.081954,9.766047,90.480820,83.719109

16.6166649,1.037289,9.742975,-0.069990,9.798287,90.409271,83.922882

16.6191349,1.013360,9.728619,-0.060419,9.781440,90.353912,84.053352

16.6216030,0.984646,9.711869,-0.053240,9.761802,90.312492,84.210800

16.6240711,0.982254,9.714262,-0.046062,9.763905,90.270294,84.226181

16.6265392,1.003789,9.709476,-0.048455,9.761346,90.284416,84.097595

16.6290073,0.965504,9.738190,-0.053240,9.786080,90.311714,84.337852

16.6314774,0.924826,9.726226,-0.069990,9.770347,90.410446,84.568314

16.6339436,0.922433,9.728619,-0.074776,9.772538,90.438408,84.583611

16.6364117,0.917647,9.742975,-0.122632,9.786862,90.717949,84.619438

16.6388817,0.903291,9.733404,-0.120239,9.775968,90.704727,84.697960

16.6413498,0.905683,9.747761,-0.153739,9.790952,90.899704,84.691780

16.6438179,0.893719,9.752547,-0.158524,9.794695,90.927361,84.764061

16.6462860,0.884148,9.738190,-0.122632,9.779013,90.718529,84.812233

16.6487541,0.862613,9.776475,-0.117847,9.815165,90.687943,84.957649

16.6512222,0.881755,9.764511,-0.103490,9.804789,90.604767,84.840073

16.6536903,0.867398,9.778868,-0.117847,9.817969,90.687744,84.931053

16.6561584,0.869791,9.752547,-0.113061,9.791909,90.661575,84.903503

16.6586285,0.869791,9.769297,-0.127418,9.808768,90.744301,84.912193

16.6610966,0.881755,9.740582,-0.158524,9.781695,90.928589,84.827461

16.6635647,0.874577,9.759726,-0.160917,9.800154,90.940834,84.879356

16.6660309,0.874577,9.757333,-0.201595,9.798524,91.178886,84.878105

16.6685009,0.860220,9.774082,-0.220738,9.814346,91.288765,84.970345

16.6709690,0.853041,9.783653,-0.211167,9.823041,91.231789,85.016953

16.6734371,0.867398,9.807582,-0.239880,9.848785,91.395653,84.945824

16.6759052,0.862613,9.829117,-0.201595,9.868956,91.170471,84.984520

16.6783733,0.867398,9.833903,-0.180060,9.873726,91.044922,84.959282

16.6808434,0.879362,9.836296,-0.136989,9.876475,90.794731,84.891350

16.6833096,0.872184,9.819546,-0.103490,9.858747,90.601456,84.924240

16.6857777,0.867398,9.812367,-0.091525,9.851056,90.532341,84.948273

16.6882477,0.857827,9.783653,-0.067597,9.821421,90.394348,84.989143

16.6907158,0.857827,9.769297,-0.072383,9.807154,90.422882,84.981819

16.6931839,0.867398,9.742975,-0.077169,9.781816,90.452011,84.912483

16.6956520,0.860220,9.690333,-0.093918,9.728892,90.553116,84.927101

16.6981201,0.865005,9.719048,-0.139382,9.758460,90.818398,84.914017

16.7005882,0.869791,9.733404,-0.158524,9.773476,90.929367,84.893532

16.7030563,0.881755,9.733404,-0.187238,9.775055,91.097549,84.823669

16.7055244,0.908076,9.733404,-0.203988,9.777800,91.195412,84.670029

16.7079945,0.934397,9.747761,-0.163310,9.793805,90.955444,84.524490

16.7104626,0.989432,9.769297,-0.182453,9.820969,91.064491,84.216820

16.7129307,1.003789,9.781260,-0.168096,9.834068,90.979416,84.140610

16.7153969,1.051646,9.793225,-0.132203,9.850416,90.768997,83.870781

16.7178669,1.087538,9.788439,-0.105882,9.849237,90.615959,83.660194

16.7203350,1.130609,9.781260,-0.108275,9.846982,90.630028,83.406487

16.7228031,1.178465,9.769297,-0.115454,9.840796,90.672218,83.121674

16.7252712,1.173679,9.754940,-0.127418,9.826118,90.742989,83.139359

16.7277412,1.226322,9.742975,-0.158524,9.821129,90.924858,82.826065

16.7302094,1.228714,9.752547,-0.158524,9.830923,90.923943,82.819191

16.7326775,1.240679,9.750154,-0.153739,9.829976,90.896133,82.748253

16.7351437,1.226322,9.764511,-0.201595,9.843282,91.173531,82.841721

16.7376137,1.247857,9.764511,-0.223131,9.846452,91.298492,82.717354

16.7400818,1.238286,9.790833,-0.215952,9.871190,91.253563,82.791847

16.7425499,1.243071,9.786046,-0.237488,9.867538,91.379105,82.760780

16.7450180,1.259821,9.781260,-0.266202,9.865651,91.546181,82.660744

16.7474861,1.243071,9.769297,-0.256630,9.851408,91.492729,82.748497

16.7499561,1.257428,9.764511,-0.282951,9.849206,91.646240,82.662102

16.7524223,1.233500,9.769297,-0.290130,9.851134,91.687683,82.803749

16.7548904,1.228714,9.781260,-0.306879,9.862909,91.783020,82.840050

16.7573605,1.207179,9.769297,-0.304487,9.848307,91.771736,82.955742

16.7598286,1.211965,9.740582,-0.314058,9.820715,91.832581,82.907463

16.7622967,1.209572,9.745368,-0.318844,9.825320,91.859642,82.924767

16.7647648,1.202393,9.764511,-0.323629,9.843585,91.884064,82.979988

16.7672329,1.197608,9.752547,-0.340379,9.831698,91.984009,82.999161

16.7697010,1.185644,9.745368,-0.314058,9.822249,91.832298,83.063354

16.7721691,1.161715,9.738190,-0.297308,9.811744,91.736397,83.197060

16.7746372,1.176072,9.762118,-0.259023,9.836117,91.508995,83.130508

16.7771072,1.173679,9.738190,-0.218345,9.811092,91.275215,83.127670

16.7795753,1.176072,9.721440,-0.182453,9.794021,91.067421,83.102043

16.7820435,1.192822,9.699904,-0.127418,9.773802,90.746964,82.989388

16.7845097,1.214357,9.661619,-0.077169,9.737942,90.454048,82.836128

16.7869797,1.214357,9.644870,-0.050847,9.721150,90.299690,82.823814

16.7894478,1.216750,9.625728,-0.041276,9.702413,90.243752,82.795677

16.7919159,1.221536,9.635299,0.004187,9.712422,89.975296,82.774750

16.7943840,1.223929,9.640084,0.025723,9.717505,89.848335,82.764297

16.7968540,1.238286,9.628120,0.018544,9.707440,89.890549,82.671341

16.7993221,1.262214,9.671191,0.011366,9.753218,89.933228,82.564201

16.8017902,1.264607,9.668798,0.028116,9.751189,89.834801,82.548439

16.8042564,1.305285,9.709476,-0.034098,9.796880,90.199417,82.343399

16.8067265,1.312463,9.745368,-0.034098,9.833408,90.198677,82.329811

16.8091946,1.329213,9.774082,-0.041276,9.864137,90.239754,82.255646

16.8116627,1.377069,9.790833,-0.062812,9.887400,90.363983,81.993927

16.8141308,1.331606,9.821939,-0.034098,9.911852,90.197105,82.279221

16.8165989,1.326820,9.850653,-0.067597,9.939838,90.389648,82.328796

16.8190689,1.259821,9.853045,-0.077169,9.933560,90.445107,82.713631

16.8215351,1.228714,9.841082,-0.055633,9.917647,90.321404,82.883125

16.8240032,1.171287,9.872188,-0.096311,9.941895,90.555054,83.233765

16.8264732,1.101895,9.833903,-0.108275,9.896037,90.626900,83.606644

16.8289413,1.056431,9.833903,-0.134596,9.891401,90.779671,83.868378

16.8314095,0.994218,9.821939,-0.168096,9.873561,90.975502,84.219971

16.8338776,0.922433,9.809975,-0.160917,9.854562,90.935638,84.628265

16.8363457,0.896112,9.824331,-0.223131,9.867639,91.295708,84.788269

16.8388138,0.862613,9.805189,-0.249452,9.846221,91.451729,84.972343

16.8412819,0.790828,9.793225,-0.278166,9.829041,91.621712,85.383240

16.8437500,0.757328,9.800404,-0.316451,9.834714,91.843918,85.581238

16.8462200,0.754936,9.786046,-0.335593,9.820858,91.958267,85.588707

16.8486881,0.754936,9.805189,-0.345165,9.840264,92.010162,85.597282

16.8511562,0.747757,9.800404,-0.326022,9.834294,91.899796,85.636864

16.8536224,0.757328,9.781260,-0.302094,9.815186,91.763741,85.572624

16.8560925,0.776471,9.769297,-0.249452,9.803279,91.458092,85.455643

16.8585606,0.814756,9.781260,-0.223131,9.817672,91.302299,85.238388

16.8610287,0.838684,9.774082,-0.172881,9.811522,91.009621,85.095634

16.8634968,0.905683,9.793225,-0.182453,9.836707,91.062790,84.716278

16.8659649,0.960718,9.778868,-0.160917,9.827265,90.938232,84.389023

16.8684349,1.034896,9.762118,-0.182453,9.818516,91.064758,83.948593

16.8709030,1.106681,9.738190,-0.223131,9.803411,91.304192,83.516533

16.8733692,1.144966,9.721440,-0.206381,9.790809,91.207832,83.282799

16.8758392,1.219143,9.714262,-0.180060,9.792121,91.053627,82.846756

16.8783073,1.259821,9.711869,-0.160917,9.794562,90.941368,82.608879

16.8807755,1.310070,9.704690,-0.125025,9.793514,90.731461,82.311913

16.8832436,1.331606,9.692726,-0.098704,9.784266,90.578011,82.177559

16.8857117,1.317249,9.704690,-0.060419,9.793865,90.353462,82.270294

16.8881817,1.336391,9.711869,-0.060419,9.803571,90.353111,82.165077

16.8906479,1.341177,9.699904,-0.065204,9.792402,90.381516,82.127792

16.8931179,1.329213,9.695119,-0.029312,9.785857,90.171623,82.193344

16.8955860,1.312463,9.702297,-0.017348,9.790681,90.101524,82.296165

16.8980541,1.271785,9.690333,0.004187,9.773434,89.975449,82.523079

16.9005222,1.250250,9.671191,0.013759,9.751679,89.919159,82.633904

16.9029903,1.228714,9.685548,-0.019741,9.763195,90.115852,82.770042

16.9054585,1.168894,9.675977,-0.029312,9.746368,90.172318,83.111839

16.9079266,1.130609,9.726226,-0.046062,9.791826,90.269524,83.369507

16.9103947,1.092324,9.709476,-0.029312,9.770771,90.171883,83.581169

16.9128628,1.037289,9.752547,-0.031705,9.807607,90.185219,83.928802

16.9153328,0.996611,9.764511,-0.029312,9.815283,90.171104,84.172310

16.9178009,0.922433,9.750154,0.001795,9.793692,89.989502,84.595505

16.9202690,0.908076,9.759726,0.004187,9.801880,89.975525,84.684319

16.9227352,0.891326,9.731011,0.001795,9.771748,89.989479,84.766510

16.9252052,0.865005,9.740582,-0.002991,9.778915,90.017525,84.925201

16.9276733,0.845863,9.728619,-0.002991,9.765322,90.017548,85.030869

16.9301414,0.843470,9.719048,-0.019741,9.755599,90.115936,85.040001

16.9326096,0.853041,9.721440,-0.048455,9.758915,90.284485,84.985229

16.9350777,0.845863,9.719048,-0.072383,9.756055,90.425095,85.026001

16.9375477,0.886541,9.692726,-0.086740,9.733572,90.510590,84.774010

16.9400158,0.867398,9.695119,-0.098704,9.734344,90.580978,84.887505

16.9424839,0.888934,9.716655,-0.086740,9.757618,90.509331,84.772812

16.9449520,0.932004,9.709476,-0.101097,9.754629,90.593826,84.517029

16.9474201,0.936790,9.740582,-0.115454,9.786207,90.675964,84.506538

16.9498882,0.977468,9.778868,-0.101097,9.828118,90.589386,84.291840

16.9523563,0.970290,9.821939,-0.074776,9.870031,90.434082,84.358170

16.9548244,1.013360,9.833903,-0.077169,9.886279,90.447235,84.116570

16.9572945,1.030110,9.860224,-0.077169,9.914186,90.445976,84.035873

16.9597607,1.056431,9.865009,-0.041276,9.921499,90.238365,83.887566

16.9622307,1.068395,9.836296,-0.038883,9.894226,90.225166,83.800972

16.9646988,1.066002,9.812367,-0.060419,9.870287,90.350723,83.799782

16.9671669,1.085145,9.795618,-0.069990,9.855789,90.406883,83.678627

16.9696350,1.042074,9.778868,-0.050847,9.834366,90.296242,83.917297

16.9721031,1.022932,9.759726,-0.089133,9.813591,90.520401,84.016586

16.9745712,0.960718,9.750154,-0.093918,9.797822,90.549225,84.372604

16.9770393,0.912862,9.745368,-0.136989,9.788988,90.801834,84.648643

16.9795074,0.838684,9.735797,-0.105882,9.772428,90.620804,85.076447

16.9819756,0.783649,9.702297,-0.074776,9.734180,90.440140,85.382271

16.9844456,0.742971,9.731011,-0.069990,9.759584,90.410896,85.633888

16.9869137,0.723829,9.735797,-0.060419,9.762854,90.354584,85.748047

16.9893818,0.716650,9.716655,-0.024526,9.743078,90.144234,85.781799

16.9918499,0.738186,9.731011,0.018544,9.758988,89.891121,85.661903

16.9943180,0.778864,9.742975,0.011366,9.774064,89.933372,85.429436

16.9967861,0.829113,9.762118,0.032901,9.797319,89.807587,85.145424

16.9992542,0.884148,9.776475,0.008973,9.816377,89.947624,84.832443

17.0017223,0.965504,9.757333,0.037687,9.805058,89.779778,84.348885

17.0041904,1.032503,9.759726,0.025723,9.814223,89.849831,83.961014

17.0066605,1.111466,9.745368,0.011366,9.808552,89.933609,83.493492

17.0091267,1.183251,9.774082,-0.005384,9.845446,90.031334,83.097359

17.0115967,1.264607,9.759726,-0.050847,9.841446,90.296028,82.617088

17.0140648,1.317249,9.790833,-0.081954,9.879386,90.475304,82.337494

17.0165329,1.333999,9.805189,-0.115454,9.896192,90.668457,82.252464

17.0190010,1.381855,9.783653,-0.146560,9.881845,90.849800,81.960655

17.0214691,1.405783,9.814760,-0.163310,9.916270,90.943642,81.848877

17.0239372,1.417747,9.817153,-0.175274,9.920546,91.012344,81.782425

17.0264072,1.434497,9.802796,-0.156132,9.908430,90.902870,81.674683

17.0288734,1.439283,9.788439,-0.146560,9.894773,90.848694,81.635223

17.0313435,1.420140,9.774082,-0.129811,9.877567,90.752998,81.732971

17.0338116,1.403391,9.750154,-0.113061,9.851284,90.657585,81.809372

17.0362797,1.417747,9.726226,-0.117847,9.829719,90.686928,81.706665

17.0387478,1.389034,9.690333,-0.113061,9.790033,90.661697,81.842667

17.0412159,1.391426,9.668798,-0.132203,9.769300,90.775383,81.810852

17.0436840,1.381855,9.654441,-0.132203,9.753729,90.776619,81.854492

17.0461521,1.369891,9.678370,-0.151346,9.776009,90.887054,81.943787

17.0486202,1.389034,9.654441,-0.163310,9.755219,90.959221,81.812752

17.0510883,1.355534,9.668798,-0.192024,9.765244,91.126740,82.019333

17.0535583,1.345963,9.671191,-0.182453,9.766107,91.070473,82.076904

17.0560265,1.341177,9.690333,-0.187238,9.784496,91.096489,82.120117

17.0584946,1.341177,9.714262,-0.189631,9.808242,91.107819,82.139282

17.0609627,1.353141,9.716655,-0.148953,9.811553,90.869865,82.071976

17.0634308,1.317249,9.752547,-0.122632,9.841867,90.713936,82.307770

17.0658989,1.317249,9.740582,-0.086740,9.829629,90.505600,82.298439

17.0683670,1.326820,9.733404,-0.072383,9.823689,90.422173,82.237503

17.0708351,1.314856,9.714262,-0.086740,9.803226,90.506966,82.291679

17.0733032,1.298106,9.714262,-0.101097,9.801132,90.591003,82.388718

17.0757732,1.290928,9.704690,-0.122632,9.790942,90.717651,82.422935

17.0782394,1.276571,9.721440,-0.132203,9.805790,90.772499,82.519012

17.0807095,1.286142,9.723833,-0.153739,9.809726,90.897980,82.465393

17.0831776,1.262214,9.728619,-0.170489,9.811640,90.995628,82.607605

17.0856457,1.252643,9.747761,-0.175274,9.829480,91.021721,82.677299

17.0881138,1.240679,9.738190,-0.187238,9.818690,91.092674,82.739441

17.0905819,1.211965,9.771689,-0.177667,9.848164,91.033707,82.929817

17.0930500,1.192822,9.793225,-0.168096,9.867033,90.976143,83.055534

17.0955181,1.185644,9.798011,-0.146560,9.870575,90.850769,83.100266

17.0979862,1.147358,9.781260,-0.160917,9.849639,90.936104,83.309685

17.1004562,1.118645,9.769297,-0.189631,9.834962,91.104805,83.467728

17.1029243,1.082752,9.788439,-0.213559,9.850457,91.242279,83.687866

17.1053925,1.058824,9.788439,-0.247059,9.848639,91.437447,83.826271

17.1078606,1.025324,9.786046,-0.225524,9.842197,91.312988,84.018707

17.1103287,0.982254,9.809975,-0.237488,9.861888,91.379890,84.282143

17.1127968,0.943969,9.809975,-0.203988,9.857398,91.185760,84.503616

17.1152649,0.941576,9.814760,-0.215952,9.862186,91.254707,84.520119

17.1177330,0.932004,9.783653,-0.220738,9.830423,91.286659,84.558342

17.1202011,0.924826,9.790833,-0.180060,9.836062,91.048920,84.603943

17.1226711,0.884148,9.800404,-0.182453,9.841896,91.062233,84.844994

17.1251392,0.824327,9.795618,-0.165703,9.831637,90.965714,85.189743

17.1276073,0.771685,9.795618,-0.115454,9.826645,90.673187,85.495621

17.1300755,0.747757,9.800404,-0.120239,9.829624,90.700882,85.636864

17.1325436,0.731007,9.769297,-0.134596,9.797533,90.787140,85.720703

17.1350117,0.719043,9.733404,-0.134596,9.760856,90.790100,85.775017

17.1374798,0.697508,9.721440,-0.141775,9.747462,90.833382,85.896095

17.1399479,0.683151,9.769297,-0.160917,9.794476,90.941376,85.999908

17.1424160,0.675972,9.788439,-0.160917,9.813071,90.939590,86.049522

17.1448860,0.709472,9.845867,-0.134596,9.872313,90.781181,85.878510

17.1473522,0.726222,9.857831,-0.108275,9.885139,90.627594,85.786659

17.1498222,0.759721,9.872188,-0.096311,9.901846,90.557304,85.599434

17.1522903,0.790828,9.845867,-0.093918,9.878023,90.544762,85.407814

17.1547585,0.843470,9.841082,-0.115454,9.877836,90.669701,85.101204

17.1572266,0.908076,9.819546,-0.125025,9.862237,90.726364,84.716522

17.1596947,0.948754,9.812367,-0.144168,9.859182,90.837845,84.477257

17.1621647,1.003789,9.831510,-0.120239,9.883351,90.697067,84.170349

17.1646309,1.044467,9.831510,-0.091525,9.887259,90.530388,83.935829

17.1670990,1.077967,9.841082,-0.026919,9.899981,90.155792,83.748894

17.1695690,1.123430,9.829117,0.001795,9.893110,89.989609,83.479607

17.1720371,1.185644,9.814760,0.044865,9.886217,89.739983,83.111923

17.1745052,1.247857,9.774082,0.064008,9.853625,89.627808,82.724411

17.1769733,1.274178,9.711869,0.075972,9.795392,89.555618,82.525597

17.1794415,1.310070,9.678370,0.073579,9.766911,89.568359,82.291260

17.1819115,1.377069,9.644870,0.040080,9.742764,89.764297,81.874374

17.1843777,1.367498,9.628120,0.011366,9.724756,89.933037,81.916252

17.1868458,1.396212,9.611370,-0.017348,9.712268,90.102341,81.734650

17.1893139,1.379462,9.611370,-0.050847,9.709991,90.300034,81.832458

17.1917839,1.374677,9.644870,-0.050847,9.742476,90.299034,81.888306

17.1942520,1.384248,9.635299,-0.034098,9.734284,90.200699,81.824585

17.1967201,1.360320,9.664013,-0.024526,9.759315,90.143990,81.987610

17.1991882,1.305285,9.695119,-0.031705,9.782643,90.185692,82.332191

17.2016582,1.276571,9.697512,-0.041276,9.781260,90.241783,82.500763

17.2041245,1.216750,9.740582,-0.043669,9.816381,90.254883,82.879745

17.2065926,1.156930,9.740582,-0.029312,9.809093,90.171211,83.226471

17.2090607,1.116252,9.745368,-0.007777,9.809092,90.045425,83.465714

17.2115307,1.058824,9.747761,-0.026919,9.805135,90.157303,83.800705

17.2139988,1.018146,9.747761,-0.050847,9.800920,90.297256,84.037125

17.2164669,1.018146,9.728619,-0.048455,9.781871,90.283813,84.025475

17.2189350,0.977468,9.719048,-0.072383,9.768345,90.424561,84.256935

17.2214050,0.963111,9.752547,-0.069990,9.800238,90.409187,84.360054

17.2238712,0.982254,9.747761,-0.074776,9.797410,90.437294,84.245895

17.2263393,0.972682,9.774082,-0.065204,9.822578,90.380348,84.316833

17.2288074,0.979861,9.783653,-0.053240,9.832744,90.310234,84.280731

17.2312756,1.018146,9.790833,-0.069990,9.843878,90.407379,84.063164

17.2337456,1.037289,9.798011,-0.065204,9.852981,90.379173,83.956764

17.2362137,1.049253,9.809975,-0.081954,9.866268,90.475929,83.894981

17.2386818,1.063610,9.807582,-0.069990,9.865335,90.406494,83.810593

17.2411499,1.087538,9.833903,-0.077169,9.894157,90.446877,83.689262

17.2436180,1.118645,9.781260,-0.091525,9.845446,90.532639,83.475655

17.2460842,1.161715,9.764511,-0.084347,9.833737,90.491447,83.215225

17.2485542,1.168894,9.750154,-0.081954,9.820313,90.478157,83.163742

17.2510223,1.168894,9.709476,-0.132203,9.780477,90.774498,83.135376

17.2534924,1.197608,9.709476,-0.134596,9.783982,90.788231,82.968414

17.2559586,1.190429,9.711869,-0.156132,9.785801,90.914192,83.011848

17.2584286,1.219143,9.711869,-0.134596,9.789016,90.787827,82.845016

17.2608967,1.264607,9.680762,-0.103490,9.763559,90.607323,82.557541

17.2633629,1.295713,9.680762,-0.110668,9.767715,90.649178,82.376602

17.2658310,1.350748,9.654441,-0.093918,9.748927,90.551979,82.035469

17.2683010,1.422533,9.635299,-0.108275,9.740344,90.636925,81.601654

17.2707691,1.460818,9.630513,-0.134596,9.741607,90.791664,81.374756

17.2732372,1.477568,9.666406,-0.180060,9.780339,91.054901,81.309265

17.2757053,1.494318,9.678370,-0.206381,9.795224,91.207283,81.222969

17.2781734,1.477568,9.759726,-0.208774,9.873147,91.211647,81.391113

17.2806435,1.403391,9.807582,-0.146560,9.908564,90.847511,81.856689

17.2831097,1.357927,9.872188,-0.122632,9.965897,90.705055,82.168068

17.2855778,1.274178,9.879367,-0.132203,9.962073,90.760376,82.650925

17.2880459,1.233500,9.867402,-0.141775,9.945212,90.816811,82.874557

17.2905159,1.171287,9.802796,-0.163310,9.873875,90.947693,83.186317

17.2929840,1.123430,9.764511,-0.175274,9.830488,91.021622,83.436844

17.2954521,1.082752,9.750154,-0.251845,9.813322,91.470573,83.663284

17.2979202,1.032503,9.747761,-0.244666,9.805344,91.429810,83.953659

17.3003902,1.008575,9.735797,-0.203988,9.790024,91.193916,84.085571

17.3028564,0.977468,9.747761,-0.156132,9.797891,90.913063,84.273743

17.3053246,0.963111,9.726226,-0.127418,9.774625,90.746902,84.344887

17.3077927,0.951147,9.728619,-0.101097,9.775527,90.592552,84.416054

17.3102627,0.975075,9.738190,-0.065204,9.787102,90.381721,84.282089

17.3127308,0.994218,9.716655,-0.065204,9.767605,90.382484,84.157768

17.3151989,0.996611,9.711869,-0.038883,9.762948,90.228195,84.140945

17.3176670,0.999003,9.731011,-0.067597,9.782391,90.395920,84.138443

17.3201370,1.003789,9.735797,-0.050847,9.787539,90.297661,84.113434

17.3226032,1.001396,9.759726,-0.046062,9.811073,90.268997,84.141670

17.3250713,1.003789,9.762118,-0.007777,9.813593,90.045403,84.129196

17.3275394,0.994218,9.790833,-0.000598,9.841183,90.003479,84.201729

17.3300095,1.010968,9.778868,0.028116,9.831027,89.836143,84.097565

17.3324776,0.991825,9.781260,0.054437,9.831569,89.682755,84.209969

17.3349457,1.003789,9.793225,0.090329,9.844949,89.474297,84.147720

17.3374138,0.970290,9.786046,0.090329,9.834445,89.473732,84.337608

17.3398838,0.982254,9.778868,0.061615,9.828269,89.640800,84.264076

17.3423500,0.955933,9.774082,0.049651,9.820843,89.710327,84.414078

17.3448181,0.960718,9.790833,0.028116,9.837895,89.836258,84.395836

17.3472862,0.946361,9.774082,0.030508,9.819838,89.821991,84.469658

17.3497562,0.905683,9.766904,0.025723,9.808840,89.849747,84.702126

17.3522243,0.888934,9.750154,0.018544,9.790610,89.891479,84.790672

17.3546925,0.841077,9.740582,0.016152,9.776841,89.905350,85.064880

17.3571606,0.850648,9.759726,-0.024526,9.796757,90.143440,85.018745

17.3596306,0.865005,9.745368,-0.055633,9.783840,90.325798,84.927681

17.3620968,0.855434,9.769297,-0.096311,9.807151,90.562683,84.995743

17.3645649,0.836291,9.762118,-0.115454,9.798554,90.675117,85.103600

17.3670330,0.845863,9.752547,-0.134596,9.790086,90.787743,85.042999

17.3695011,0.881755,9.762118,-0.136989,9.802816,90.800705,84.838814

17.3719711,0.884148,9.769297,-0.141775,9.810248,90.828049,84.828667

17.3744373,0.932004,9.747761,-0.117847,9.792924,90.689507,84.538429

17.3769073,0.999003,9.728619,-0.103490,9.780324,90.606277,84.137016

17.3793755,1.046860,9.738190,-0.074776,9.794582,90.437424,83.864243

17.3818436,1.075574,9.711869,-0.086740,9.771632,90.508606,83.680336

17.3843098,1.135394,9.697512,-0.115454,9.764435,90.677475,83.322159

17.3867798,1.188036,9.699904,-0.136989,9.773349,90.803116,83.017235

17.3892479,1.214357,9.695119,-0.141775,9.771903,90.831299,82.860626

17.3917179,1.233500,9.702297,-0.146560,9.781491,90.858521,82.754578

17.3941841,1.216750,9.707084,-0.141775,9.784072,90.830269,82.855431

17.3966541,1.197608,9.738190,-0.136989,9.812510,90.799911,82.988937

17.3991222,1.173679,9.735797,-0.132203,9.807178,90.772385,83.125992

17.4015884,1.128216,9.762118,-0.120239,9.827832,90.701004,83.407524

17.4040565,1.082752,9.783653,-0.098704,9.843880,90.574509,83.684799

17.4065247,1.032503,9.802796,-0.062812,9.857222,90.365097,83.987350

17.4089947,0.991825,9.812367,-0.038883,9.862443,90.225891,84.228203

17.4114628,0.970290,9.807582,-0.000598,9.855461,90.003479,84.349968

17.4139309,0.922433,9.831510,0.020937,9.874710,89.878517,84.639961

17.4163990,0.905683,9.807582,0.016152,9.849323,89.906044,84.723969

17.4188690,0.879362,9.802796,0.047258,9.842273,89.724892,84.873985

17.4213352,0.862613,9.769297,0.066401,9.807531,89.612083,84.953964

17.4238033,0.850648,9.759726,0.085543,9.797100,89.499718,85.018745

17.4262714,0.826720,9.754940,0.099900,9.790419,89.415352,85.155823

17.4287415,0.843470,9.745368,0.087936,9.782197,89.484940,85.053329

17.4312096,0.855434,9.750154,0.128614,9.788453,89.247147,84.985970

17.4336777,0.869791,9.752547,0.104686,9.791817,89.387428,84.903503

17.4361458,0.900898,9.728619,0.102293,9.770778,89.400139,84.709335

17.4386158,0.912862,9.723833,0.095115,9.767052,89.442024,84.636856

17.4410820,0.948754,9.731011,0.075972,9.777448,89.554802,84.431374

17.4435501,0.948754,9.731011,0.054437,9.777304,89.680992,84.431374

17.4460182,0.960718,9.721440,-0.000598,9.768796,90.003510,84.356087

17.4484882,0.984646,9.728619,-0.017348,9.778336,90.101646,84.220695

17.4509563,1.008575,9.721440,-0.053240,9.773764,90.312103,84.076897

17.4534245,1.003789,9.714262,-0.062812,9.766188,90.368500,84.100479

17.4558926,1.013360,9.709476,-0.103490,9.762763,90.607368,84.041718

17.4583626,1.042074,9.690333,-0.108275,9.746805,90.636497,83.862144

17.4608288,1.077967,9.704690,-0.127418,9.765206,90.747627,83.661743

17.4632969,1.137787,9.719048,-0.127418,9.786250,90.746017,83.322906

17.4657650,1.185644,9.711869,-0.117847,9.784684,90.690086,83.039665

17.4682350,1.243071,9.719048,-0.151346,9.799389,90.884933,82.711411

17.4707031,1.293321,9.752547,-0.156132,9.839168,90.909233,82.445877

17.4731712,1.333999,9.766904,-0.153739,9.858783,90.893509,82.222466

17.4756393,1.405783,9.783653,-0.182453,9.885818,91.057510,81.823311

17.4781094,1.456033,9.769297,-0.206381,9.879361,91.196999,81.522942

17.4805775,1.523032,9.778868,-0.232702,9.899496,91.346947,81.147461

17.4830437,1.585245,9.793225,-0.227916,9.923317,91.316071,80.805199

17.4855118,1.623530,9.778868,-0.249452,9.915862,91.441536,80.573486

17.4879818,1.671387,9.795618,-0.218345,9.939585,91.258728,80.317101

17.4904499,1.690529,9.790833,-0.199202,9.937705,91.148575,80.203644

17.4929180,1.724029,9.793225,-0.182453,9.945493,91.051163,80.015778

17.4953861,1.704886,9.757333,-0.153739,9.906352,90.889221,80.088837

17.4978542,1.724029,9.745368,-0.132203,9.897573,90.765335,79.967743

17.5003242,1.716850,9.707084,-0.127418,9.858564,90.740547,79.970070

17.5027885,1.673779,9.692726,-0.148953,9.837310,90.867584,80.202553

17.5052586,1.609173,9.711869,-0.168096,9.845715,90.978256,80.592056

17.5077267,1.556531,9.690333,-0.175274,9.816113,91.023117,80.874687

17.5101967,1.520639,9.704690,-0.180060,9.824753,91.050125,81.094673

17.5126629,1.467997,9.678370,-0.184846,9.790812,91.081779,81.375221

17.5151329,1.396212,9.714262,-0.192024,9.815965,91.120918,81.820999

17.5176010,1.336391,9.726226,-0.165703,9.819006,90.966957,82.176498

17.5200710,1.300499,9.754940,-0.144168,9.842303,90.839287,82.406281

17.5225353,1.262214,9.738190,-0.158524,9.820930,90.924881,82.614792

17.5250053,1.211965,9.742975,-0.148953,9.819196,90.869186,82.909187

17.5274734,1.140180,9.762118,-0.151346,9.829642,90.882210,83.338242

17.5299416,1.097109,9.754940,-0.120239,9.817177,90.701767,83.583076

17.5324097,1.037289,9.750154,-0.091525,9.805603,90.534805,83.927322

17.5348797,0.946361,9.786046,-0.050847,9.831830,90.296318,84.476379

17.5373478,0.898505,9.793225,-0.034098,9.834416,90.198654,84.757927

17.5398140,0.821935,9.778868,-0.022134,9.813375,90.129227,85.195465

17.5422821,0.786042,9.805189,-0.058026,9.836816,90.337982,85.416634

17.5447502,0.759721,9.821939,-0.060419,9.851461,90.351395,85.577011

17.5472202,0.731007,9.819546,-0.048455,9.846837,90.281944,85.742523

17.5496883,0.721436,9.809975,0.030508,9.836514,89.822296,85.793976

17.5521564,0.726222,9.802796,0.097508,9.830144,89.431664,85.763092

17.5546246,0.726222,9.776475,0.157328,9.804672,89.080582,85.751724

17.5570946,0.771685,9.719048,0.195613,9.751597,88.850594,85.460281

17.5595627,0.819542,9.695119,0.188435,9.731520,88.890495,85.168198

17.5620289,0.850648,9.675977,0.188435,9.715124,88.888618,84.975845

17.5644970,0.917647,9.695119,0.157328,9.739720,89.074448,84.593033

17.5669670,0.917647,9.695119,0.121436,9.739207,89.285576,84.593033

17.5694351,0.946361,9.719048,0.119043,9.765738,89.301552,84.438538

17.5719032,0.958325,9.745368,0.085543,9.792747,89.499496,84.383789

17.5743713,0.965504,9.766904,0.114257,9.815175,89.333008,84.354385

17.5768414,0.963111,9.819546,0.099900,9.867169,89.419899,84.398285

17.5793095,0.951147,9.843474,0.114257,9.889981,89.338058,84.480804

17.5817757,0.903291,9.850653,0.102293,9.892510,89.407524,84.760712

17.5842438,0.841077,9.869795,0.092722,9.906001,89.463692,85.129173

17.5867138,0.776471,9.865009,0.080758,9.895849,89.532417,85.499550

17.5891819,0.711865,9.893723,0.061615,9.919492,89.644104,85.884598

17.5916500,0.666401,9.876974,0.061615,9.899622,89.643387,86.140091

17.5941181,0.608973,9.853045,0.040080,9.871928,89.767380,86.463295

17.5965881,0.570688,9.821939,0.035294,9.838567,89.794464,86.674660

17.5990562,0.539581,9.783653,-0.026919,9.798558,90.157410,86.843262

17.6015224,0.530010,9.771689,-0.058026,9.786224,90.339729,86.895355

17.6039906,0.498904,9.754940,-0.122632,9.768459,90.719307,87.072235

17.6064606,0.467797,9.731011,-0.182453,9.743958,91.072906,87.247749

17.6089287,0.441476,9.766904,-0.201595,9.778955,91.181252,87.411926

17.6113968,0.427119,9.807582,-0.232702,9.819635,91.357903,87.506355

17.6138649,0.453440,9.829117,-0.254237,9.842854,91.480095,87.358688

17.6163349,0.477368,9.855438,-0.256630,9.870329,91.489868,87.226929

17.6188030,0.501296,9.857831,-0.242273,9.873542,91.406044,87.088867

17.6212692,0.537189,9.848260,-0.239880,9.865816,91.393242,86.877808

17.6237373,0.597009,9.836296,-0.223131,9.856923,91.297112,86.526718

17.6262054,0.640080,9.814760,-0.201595,9.837676,91.174194,86.268677

17.6286755,0.692722,9.786046,-0.203988,9.812654,91.191170,85.950974

17.6311436,0.752543,9.774082,-0.170489,9.804493,90.996353,85.597275

17.6336117,0.853041,9.762118,-0.148953,9.800450,90.870850,85.006020

17.6360798,0.912862,9.747761,-0.139382,9.791403,90.815643,84.649948

17.6385498,0.977468,9.762118,-0.098704,9.811429,90.576408,84.282104

17.6410141,1.037289,9.750154,-0.067597,9.805409,90.394997,83.927322

17.6434841,1.080359,9.764511,-0.019741,9.824116,90.115135,83.686394

17.6459522,1.123430,9.752547,0.004187,9.817040,89.975563,83.428864

17.6484222,1.164108,9.766904,0.006580,9.836036,89.961670,83.203033

17.6508884,1.180858,9.786046,0.061615,9.857226,89.641853,83.119522

17.6533585,1.197608,9.764511,0.064008,9.837888,89.627213,83.007652

17.6558266,1.192822,9.745368,0.073579,9.818373,89.570618,83.021774

17.6582947,1.195215,9.733404,0.085543,9.806886,89.500214,82.999405

17.6607609,1.190429,9.728619,0.080758,9.801514,89.527916,83.023758

17.6632309,1.223929,9.683155,0.107079,9.760787,89.371437,82.796143

17.6656990,1.231107,9.649655,0.085543,9.728247,89.496178,82.729454

17.6681671,1.250250,9.654441,0.054437,9.735210,89.679619,82.621262

17.6706352,1.264607,9.664013,0.032901,9.746459,89.806587,82.544792

17.6731033,1.288535,9.664013,0.013759,9.749547,89.919144,82.405357

17.6755733,1.295713,9.695119,-0.007777,9.781322,90.045555,82.387756

17.6780415,1.338784,9.704690,-0.014955,9.796610,90.087463,82.145493

17.6805077,1.348356,9.731011,-0.007777,9.823986,90.045357,82.111168

17.6829758,1.365105,9.735797,-0.022134,9.831060,90.128998,82.018303

17.6854458,1.338784,9.752547,-0.031705,9.844060,90.184532,82.183556

17.6879139,1.326820,9.728619,-0.022134,9.818705,90.129158,82.233734

17.6903820,1.341177,9.711869,-0.024526,9.804069,90.143333,82.137375

17.6928501,1.319642,9.726226,-0.014955,9.815352,90.087296,82.273369

17.6953201,1.259821,9.742975,-0.014955,9.824100,90.087219,82.632217

17.6977882,1.190429,9.738190,0.006580,9.810683,89.961571,83.030548

17.7002544,1.116252,9.747761,0.016152,9.811479,89.905678,83.467308

17.7027225,1.039681,9.764511,-0.019741,9.819726,90.115181,83.922302

17.7051926,0.951147,9.764511,-0.031705,9.810778,90.185158,84.436455

17.7076607,0.900898,9.752547,-0.060419,9.794255,90.353447,84.722244

17.7101288,0.833899,9.769297,-0.038883,9.804899,90.227219,85.121109

17.7125969,0.814756,9.771689,-0.048455,9.805717,90.283127,85.233749

17.7150669,0.781257,9.800404,-0.017348,9.831509,90.101097,85.442200

17.7175350,0.745364,9.800404,0.030508,9.828754,89.822151,85.650772

17.7200012,0.704686,9.800404,0.030508,9.825753,89.822098,85.887291

17.7224693,0.714258,9.778868,0.049651,9.805043,89.709862,85.822479

17.7249393,0.702293,9.776475,0.054437,9.801818,89.681793,85.891212

17.7274075,0.702293,9.731011,0.059222,9.756501,89.652206,85.872086

17.7298756,0.697508,9.752547,0.064008,9.777668,89.624916,85.909142

17.7323437,0.728615,9.723833,0.064008,9.751303,89.623901,85.714790

17.7348137,0.728615,9.733404,0.044865,9.760740,89.736641,85.718987

17.7372818,0.740579,9.750154,0.040080,9.778322,89.765152,85.656403

17.7397480,0.750150,9.764511,0.054437,9.793435,89.681519,85.606934

17.7422161,0.769292,9.798011,0.075972,9.828459,89.557114,85.510620

17.7446861,0.790828,9.798011,0.102293,9.830406,89.403778,85.385483

17.7471542,0.829113,9.786046,0.154935,9.822328,89.096191,85.157234

17.7496223,0.857827,9.781260,0.147757,9.819917,89.137856,84.987923

17.7520905,0.879362,9.759726,0.133400,9.800169,89.220062,84.851486

17.7545586,0.888934,9.752547,0.121436,9.793729,89.289551,84.791946

17.7570286,0.898505,9.776475,0.111864,9.818314,89.347191,84.748993

17.7594948,0.924826,9.769297,0.092722,9.813412,89.458633,84.592117

17.7619629,0.991825,9.788439,0.061615,9.838753,89.641182,84.214188

17.7644310,1.015753,9.821939,0.052044,9.874458,89.698021,84.095642

17.7669010,1.015753,9.824331,0.042473,9.876793,89.753616,84.097069

17.7693672,1.027717,9.841082,0.052044,9.894736,89.698639,84.038132

17.7718372,1.054038,9.826724,0.075972,9.883384,89.559570,83.877724

17.7743053,1.037289,9.814760,0.080758,9.869752,89.531181,83.967003

17.7767754,1.039681,9.790833,0.095115,9.846339,89.446518,83.938515

17.7792397,1.054038,9.771689,0.111864,9.829010,89.347900,83.843506

17.7817097,1.066002,9.733404,0.099900,9.792114,89.415451,83.749878

17.7841778,1.046860,9.699904,0.083151,9.756586,89.511688,83.840210

17.7866478,1.039681,9.702297,0.040080,9.757926,89.764664,83.883621

17.7891140,1.063610,9.687941,0.006580,9.746153,89.961319,83.734764

17.7915840,1.061217,9.683155,-0.026919,9.741170,90.158333,83.745682

17.7940521,1.051646,9.685548,-0.065204,9.742692,90.383461,83.803169

17.7965202,1.058824,9.728619,-0.079561,9.786391,90.465805,83.788605

17.7989864,1.042074,9.747761,-0.108275,9.803902,90.632790,83.898033

17.8014565,1.049253,9.774082,-0.141775,9.831263,90.826279,83.872734

17.8039246,1.042074,9.798011,-0.139382,9.854256,90.810440,83.929092

17.8063927,1.046860,9.802796,-0.139382,9.859521,90.810005,83.904373

17.8088608,1.051646,9.800404,-0.101097,9.857184,90.587646,83.875237

17.8113289,1.061217,9.798011,-0.081954,9.855654,90.476448,83.818420

17.8137989,1.066002,9.805189,-0.055633,9.863123,90.323181,83.795273

17.8162670,1.073181,9.759726,-0.069990,9.818801,90.408417,83.724960

17.8187332,1.087538,9.769297,-0.079561,9.829966,90.463745,83.647873

17.8212013,1.099502,9.738190,-0.084347,9.800426,90.493118,83.558235

17.8236713,1.101895,9.742975,-0.146560,9.806183,90.856361,83.547478

17.8261395,1.104288,9.733404,-0.158524,9.797130,90.927124,83.527275

17.8286076,1.087538,9.771689,-0.163310,9.833378,90.951599,83.649414

17.8310757,1.082752,9.786046,-0.194417,9.847682,91.131233,83.686333

17.8335457,1.092324,9.793225,-0.213559,9.856269,91.241547,83.635612

17.8360138,1.104288,9.802796,-0.177667,9.866399,91.031799,83.572708

17.8384800,1.109073,9.802796,-0.175274,9.866893,91.017845,83.545090

17.8409481,1.164108,9.819546,-0.136989,9.889256,90.793701,83.239136

17.8434181,1.180858,9.788439,-0.146560,9.860499,90.851639,83.121193

17.8458862,1.204786,9.786046,-0.141775,9.860949,90.823792,82.981483

17.8483543,1.233500,9.752547,-0.141775,9.831266,90.826279,82.791519

17.8508224,1.259821,9.728619,-0.125025,9.810647,90.730186,82.621468

17.8532925,1.302892,9.702297,-0.101097,9.789909,90.591682,82.351677

17.8557606,1.322034,9.697512,-0.084347,9.787575,90.493767,82.236885

17.8582268,1.369891,9.675977,-0.058026,9.772640,90.340202,81.941818

17.8606949,1.367498,9.707084,-0.036491,9.803002,90.213280,81.981155

17.8631649,1.369891,9.731011,-0.029312,9.827006,90.170906,81.986801

17.8656330,1.372284,9.714262,-0.010169,9.810717,90.059395,81.959328

17.8681011,1.367498,9.716655,-0.024526,9.812443,90.143211,81.988945

17.8705692,1.331606,9.723833,-0.022134,9.814611,90.129211,82.202278

17.8730392,1.324427,9.733404,-0.055633,9.823256,90.324493,82.251335

17.8755074,1.281357,9.716655,-0.060419,9.800964,90.353203,82.487625

17.8779755,1.278964,9.714262,-0.050847,9.798225,90.297333,82.499672

17.8804417,1.240679,9.731011,-0.067597,9.810017,90.394806,82.734138

17.8829117,1.214357,9.728619,-0.043669,9.804213,90.255203,82.884956

17.8853798,1.178465,9.738190,-0.024526,9.809267,90.143257,83.099915

17.8878479,1.135394,9.709476,-0.014955,9.775647,90.087654,83.330307

17.8903160,1.123430,9.714262,-0.010169,9.779013,90.059586,83.403191

17.8927841,1.073181,9.728619,-0.022134,9.787657,90.129570,83.705055

17.8952541,1.044467,9.719048,-0.029312,9.775053,90.171814,83.866196

17.8977222,1.010968,9.714262,-0.041276,9.766813,90.242142,84.058594

17.9001884,1.034896,9.745368,-0.065204,9.800381,90.381203,83.938271

17.9026566,1.022932,9.766904,-0.046062,9.820434,90.268738,84.020950

17.9051266,1.003789,9.769297,-0.067597,9.820963,90.394371,84.133484

17.9075928,0.989432,9.800404,-0.041276,9.850309,90.240089,84.235046

17.9100628,0.960718,9.809975,-0.005384,9.856907,90.031296,84.406700

17.9125309,0.972682,9.821939,0.025723,9.870018,89.850677,84.344345

17.9150009,0.975075,9.841082,0.008973,9.889275,89.948013,84.341484

17.9174652,0.958325,9.841082,0.004187,9.887633,89.975739,84.438072

17.9199352,0.929612,9.812367,0.004187,9.856305,89.975655,84.588020

17.9224033,0.903291,9.829117,0.004187,9.870536,89.975693,84.749298

17.9248714,0.876970,9.805189,0.035294,9.844392,89.794586,84.889107

17.9273396,0.855434,9.800404,0.037687,9.837738,89.780510,85.011543

17.9298096,0.843470,9.793225,0.037687,9.829554,89.780327,85.077385

17.9322777,0.817149,9.783653,0.013759,9.817729,89.919708,85.225632

17.9347458,0.776471,9.776475,0.020937,9.807283,89.877678,85.458961

17.9372120,0.776471,9.757333,-0.012562,9.788187,90.073532,85.450096

17.9396801,0.766900,9.740582,-0.050847,9.770858,90.298172,85.498253

17.9421501,0.757328,9.762118,-0.019741,9.791471,90.115517,85.563980

17.9446182,0.733400,9.774082,-0.024526,9.801590,90.143372,85.708839

17.9470863,0.740579,9.788439,-0.000598,9.816415,90.003494,85.673332

17.9495544,0.762114,9.776475,0.013759,9.806145,89.919609,85.542587

17.9520245,0.745364,9.786046,-0.036491,9.814459,90.213028,85.644417

17.9544926,0.771685,9.788439,-0.024526,9.818841,90.143120,85.492332

17.9569607,0.778864,9.800404,-0.048455,9.831424,90.282387,85.456108

17.9594269,0.800399,9.774082,-0.050847,9.806931,90.297073,85.318497

17.9618969,0.807578,9.788439,-0.058026,9.821868,90.338493,85.283592

17.9643650,0.836291,9.795618,-0.074776,9.831536,90.435776,85.120262

17.9668331,0.865005,9.800404,-0.079561,9.838825,90.463326,84.956017

17.9693012,0.905683,9.807582,-0.101097,9.849830,90.588081,84.723969

17.9717712,0.946361,9.798011,-0.077169,9.843910,90.449158,84.483078

17.9742393,0.970290,9.817153,-0.067597,9.865218,90.392601,84.355438

17.9767075,1.008575,9.793225,-0.024526,9.845054,90.142738,84.120010

17.9791737,1.020539,9.800404,0.016152,9.853409,89.906082,84.055084

17.9816437,1.039681,9.762118,0.061615,9.817520,89.640404,83.920822

17.9841118,1.058824,9.740582,0.111864,9.798600,89.345879,83.796173

17.9865799,1.070788,9.707084,0.131007,9.766843,89.231445,83.705154

17.9890480,1.123430,9.678370,0.126221,9.744170,89.257797,83.378944

17.9915180,1.142573,9.640084,0.095115,9.708025,89.438637,83.240662

17.9939861,1.168894,9.647263,0.020937,9.717840,89.876556,83.091530

17.9964542,1.192822,9.635299,-0.036491,9.708920,90.215347,82.942856

17.9989204,1.228714,9.647263,-0.074776,9.725482,90.440529,82.741653

18.0013905,1.228714,9.668798,-0.117847,9.747271,90.692734,82.757652

18.0038586,1.247857,9.704690,-0.129811,9.785449,90.760086,82.672951

18.0063267,1.250250,9.719048,-0.101097,9.799655,90.591095,82.669777

18.0087948,1.238286,9.757333,-0.101097,9.836113,90.588905,82.767357

18.0112648,1.216750,9.783653,-0.077169,9.859326,90.448456,82.910774

18.0137329,1.216750,9.807582,-0.036491,9.882837,90.211555,82.927895

18.0162010,1.202393,9.790833,-0.043669,9.864485,90.253647,82.998672

18.0186672,1.200001,9.766904,-0.038883,9.840423,90.226402,82.995522

18.0211353,1.144966,9.750154,-0.060419,9.817337,90.352615,83.302399

18.0236053,1.133002,9.709476,-0.086740,9.775743,90.508392,83.344238

18.0260735,1.109073,9.707084,-0.096311,9.770711,90.564781,83.481995

18.0285416,1.066002,9.709476,-0.127418,9.768650,90.747360,83.734596

18.0310097,1.027717,9.716655,-0.156132,9.772101,90.915474,83.962349

18.0334797,0.958325,9.769297,-0.144168,9.817246,90.841423,84.397461

18.0359459,0.924826,9.783653,-0.096311,9.827739,90.561501,84.600006

18.0384140,0.932004,9.807582,-0.079561,9.852087,90.462700,84.571541

18.0408821,0.881755,9.819546,-0.058026,9.859225,90.337212,84.868835

18.0433521,0.900898,9.841082,-0.029312,9.882276,90.169945,84.769463

18.0458183,0.886541,9.817153,-0.005384,9.857103,90.031296,84.839882

18.0482883,0.917647,9.802796,-0.026919,9.845691,90.156654,84.652084

18.0507565,0.927219,9.778868,-0.072383,9.822995,90.422203,84.583488

18.0532246,0.939183,9.776475,-0.091525,9.821909,90.533920,84.512688

18.0556927,0.984646,9.774082,-0.113061,9.824204,90.659401,84.247398

18.0581608,1.027717,9.757333,-0.103490,9.811853,90.604332,83.987335

18.0606289,1.034896,9.759726,-0.089133,9.814845,90.520332,83.947121

18.0630970,1.073181,9.788439,-0.048455,9.847213,90.281937,83.743217

18.0655651,1.085145,9.793225,-0.022134,9.853188,90.128708,83.677094

18.0680332,1.063610,9.802796,0.004187,9.860330,89.975670,83.807594

18.0705032,1.042074,9.800404,0.018544,9.855667,89.892189,83.930557

18.0729713,1.001396,9.809975,0.008973,9.860957,89.947861,84.171471

18.0754395,0.979861,9.798011,-0.002991,9.846886,90.017403,84.289063

18.0779057,0.946361,9.805189,-0.026919,9.850790,90.156570,84.487091

18.0803757,0.905683,9.802796,-0.043669,9.844643,90.254158,84.721413

18.0828438,0.874577,9.776475,-0.065204,9.815732,90.380608,84.888084

18.0853119,0.853041,9.764511,-0.065204,9.801918,90.381149,85.007240

18.0877800,0.850648,9.764511,-0.067597,9.801727,90.395142,85.021172

18.0902500,0.821935,9.774082,-0.050847,9.808713,90.297020,85.193123

18.0927181,0.848256,9.771689,-0.017348,9.808453,90.101341,85.038734

18.0951862,0.833899,9.788439,0.008973,9.823900,89.947670,85.130600

18.0976524,0.829113,9.814760,0.032901,9.849773,89.808617,85.171341

18.1001225,0.836291,9.781260,0.032901,9.817002,89.807976,85.113129

18.1025906,0.836291,9.781260,0.025723,9.816980,89.849869,85.113129

18.1050587,0.843470,9.783653,0.011366,9.819951,89.933685,85.072594

18.1075268,0.826720,9.757333,0.016152,9.792307,89.905495,85.157005

18.1099968,0.829113,9.764511,-0.000598,9.799648,90.003494,85.146606

18.1124649,0.812363,9.757333,-0.007777,9.791095,90.045509,85.240723

18.1149330,0.824327,9.757333,-0.036491,9.792160,90.213516,85.170959

18.1173992,0.800399,9.745368,-0.026919,9.778219,90.157738,85.304764

18.1198692,0.805185,9.759726,-0.019741,9.792903,90.115501,85.283737

18.1223373,0.817149,9.769297,0.011366,9.803419,89.933571,85.218651

18.1248055,0.838684,9.783653,0.018544,9.819552,89.891792,85.100410

18.1272736,0.853041,9.776475,-0.010169,9.813625,90.059372,85.013313

18.1297436,0.862613,9.776475,0.018544,9.814474,89.891739,84.957649

18.1322117,0.886541,9.783653,-0.012562,9.823746,90.073265,84.822311

18.1346798,0.912862,9.790833,0.008973,9.833301,89.947716,84.673347

18.1371460,0.912862,9.795618,0.008973,9.838065,89.947739,84.675934

18.1396160,0.936790,9.762118,-0.000598,9.806964,90.003494,84.518578

18.1420841,0.943969,9.750154,-0.002991,9.795744,90.017494,84.470100

18.1445522,0.965504,9.726226,-0.022134,9.774055,90.129745,84.330933

18.1470203,0.963111,9.731011,-0.007777,9.778560,90.045563,84.347649

18.1494904,0.963111,9.716655,-0.048455,9.764390,90.284325,84.339355

18.1519585,0.927219,9.719048,-0.041276,9.763264,90.242233,84.550346

18.1544266,0.939183,9.714262,-0.043669,9.759655,90.256371,84.477760

18.1568928,0.915255,9.719048,-0.060419,9.762235,90.354607,84.620255

18.1593609,0.874577,9.714262,-0.079561,9.753877,90.467361,84.855522

18.1618309,0.876970,9.728619,-0.050847,9.768197,90.298248,84.849091

18.1642971,0.853041,9.726226,-0.050847,9.763695,90.298386,84.987686

18.1667671,0.872184,9.735797,-0.034098,9.774846,90.199867,84.880806

18.1692352,0.872184,9.699904,-0.002991,9.739038,90.017593,84.861969

18.1717052,0.884148,9.704690,0.023330,9.744909,89.862831,84.794426

18.1741714,0.896112,9.709476,0.032901,9.750796,89.806671,84.726967

18.1766396,0.934397,9.695119,0.047258,9.740157,89.722008,84.494942

18.1791077,0.934397,9.704690,0.044865,9.749673,89.736336,84.500343

18.1815777,0.970290,9.714262,0.071186,9.762859,89.582222,84.296043

18.1840439,0.972682,9.726226,0.037687,9.774815,89.779091,84.289055

18.1865139,1.032503,9.714262,0.006580,9.768981,89.961403,83.932961

18.1889820,1.051646,9.762118,-0.041276,9.818687,90.240860,83.851402

18.1914501,1.085145,9.795618,-0.074776,9.855824,90.434708,83.678627

18.1939182,1.130609,9.833903,-0.081954,9.899022,90.474358,83.441475

18.1963882,1.180858,9.836296,-0.074776,9.907207,90.432449,83.154343

18.1988544,1.164108,9.829117,-0.067597,9.898043,90.391296,83.245659

18.2013226,1.223929,9.829117,-0.038883,9.905102,90.224922,82.902023

18.2037907,1.267000,9.824331,-0.029312,9.905738,90.169548,82.651382

18.2062588,1.278964,9.800404,0.016152,9.883517,89.906364,82.564857

18.2087288,1.312463,9.781260,-0.014955,9.868933,90.086823,82.357620

18.2111969,1.324427,9.778868,-0.026919,9.868185,90.156296,82.286926

18.2136650,1.350748,9.711869,-0.031705,9.805404,90.185265,82.081970

18.2161312,1.377069,9.692726,-0.067597,9.790293,90.395599,81.913963

18.2186012,1.386641,9.683155,-0.115454,9.782617,90.676216,81.850571

18.2210693,1.405783,9.687941,-0.160917,9.790726,90.941734,81.743637

18.2235374,1.405783,9.695119,-0.187238,9.798297,91.094948,81.749664

18.2260056,1.374677,9.726226,-0.201595,9.824961,91.175720,81.955269

18.2284756,1.408176,9.788439,-0.199202,9.891217,91.153976,81.813530

18.2309437,1.393819,9.786046,-0.230309,9.887490,91.334709,81.893929

18.2334118,1.381855,9.786046,-0.232702,9.885867,91.348801,81.962593

18.2358780,1.391426,9.790833,-0.213559,9.891516,91.237122,81.911560

18.2383480,1.398605,9.793225,-0.218345,9.895000,91.264404,81.872345

18.2408161,1.400998,9.769297,-0.232702,9.871985,91.350700,81.838959

18.2432842,1.377069,9.774082,-0.247059,9.873704,91.433800,81.980385

18.2457523,1.386641,9.735797,-0.232702,9.836802,91.355530,81.894051

18.2482224,1.374677,9.733404,-0.187238,9.831782,91.091217,81.961121

18.2506905,1.381855,9.740582,-0.184846,9.839849,91.076385,81.925568

18.2531586,1.398605,9.719048,-0.146560,9.820257,90.855133,81.811157

18.2556248,1.379462,9.683155,-0.113061,9.781573,90.662270,81.892197

18.2580948,1.369891,9.675977,-0.084347,9.772832,90.494514,81.941818

18.2605629,1.365105,9.659226,-0.053240,9.755358,90.312698,81.955856

18.2630310,1.350748,9.685548,-0.055633,9.779441,90.325943,82.060722

18.2654991,1.341177,9.678370,-0.046062,9.770963,90.270103,82.110497

18.2679691,1.343570,9.685548,-0.060419,9.778480,90.354019,82.102386

18.2704372,1.348356,9.699904,-0.069990,9.793422,90.409477,82.086189

18.2729053,1.341177,9.707084,-0.086740,9.799682,90.507149,82.133545

18.2753735,1.295713,9.726226,-0.081954,9.812495,90.478539,82.411819

18.2778416,1.276571,9.752547,-0.091525,9.836167,90.533142,82.542603

18.2803097,1.293321,9.776475,-0.062812,9.861850,90.364929,82.464149

18.2827778,1.219143,9.809975,-0.053240,9.885583,90.308578,82.915840

18.2852459,1.207179,9.814760,-0.050847,9.888852,90.294609,82.988052

18.2877140,1.171287,9.795618,-0.014955,9.865407,90.086853,83.181374

18.2901840,1.154537,9.824331,-0.007777,9.891941,90.045044,83.297447

18.2926521,1.156930,9.812367,0.001795,9.880336,89.989594,83.275574

18.2951202,1.116252,9.754940,-0.002991,9.818599,90.017456,83.472076

18.2975864,1.104288,9.747761,-0.002991,9.810112,90.017471,83.536728

18.3000565,1.068395,9.728619,-0.005384,9.787110,90.031517,83.732903

18.3025227,1.077967,9.704690,-0.024526,9.764406,90.143913,83.661743

18.3049927,1.051646,9.699904,-0.024526,9.756777,90.144028,83.812271

18.3074608,1.051646,9.695119,-0.036491,9.752057,90.214394,83.809235

18.3099308,1.025324,9.695119,-0.058026,9.749358,90.341011,83.963020

18.3123970,0.999003,9.678370,-0.043669,9.729890,90.257149,84.106789

18.3148670,0.987039,9.675977,-0.086740,9.726577,90.510963,84.175446

18.3173332,0.975075,9.728619,-0.077169,9.777666,90.452202,84.276505

18.3198013,0.977468,9.738190,-0.084347,9.787487,90.493774,84.268150

18.3222694,0.970290,9.754940,-0.072383,9.803344,90.423050,84.319672

18.3247395,0.963111,9.759726,-0.072383,9.807399,90.422874,84.364174

18.3272076,0.972682,9.769297,-0.058026,9.817771,90.338638,84.314072

18.3296757,1.001396,9.788439,-0.034098,9.839588,90.198547,84.158737

18.3321438,0.989432,9.781260,-0.014955,9.831188,90.087158,84.223839

18.3346100,0.987039,9.800404,-0.022134,9.850007,90.128746,84.248894

18.3370800,1.003789,9.795618,-0.036491,9.846982,90.212326,84.149139

18.3395481,1.046860,9.802796,-0.053240,9.858680,90.309418,83.904373

18.3420162,1.051646,9.790833,-0.055633,9.847307,90.323700,83.869293

18.3444843,1.042074,9.805189,-0.053240,9.860552,90.309357,83.933502

18.3469543,1.034896,9.812367,-0.026919,9.866828,90.156319,83.979355

18.3494225,1.066002,9.793225,-0.031705,9.851124,90.184402,83.787758

18.3518906,1.066002,9.778868,-0.017348,9.836814,90.101044,83.778702

18.3543587,1.061217,9.798011,-0.005384,9.855314,90.031303,83.818420

18.3568268,1.063610,9.769297,-0.010169,9.827030,90.059296,83.786530

18.3592949,1.082752,9.776475,-0.043669,9.836347,90.254372,83.680206

18.3617630,1.089931,9.750154,-0.050847,9.811017,90.296951,83.621613

18.3642311,1.123430,9.745368,-0.077169,9.810211,90.450699,83.424065

18.3667011,1.121037,9.759726,-0.136989,9.824853,90.798904,83.447517

18.3691692,1.121037,9.795618,-0.153739,9.860755,90.893333,83.471321

18.3716373,1.113859,9.812367,-0.122632,9.876147,90.711464,83.523743

18.3741055,1.128216,9.821939,-0.115454,9.887197,90.669060,83.447327

18.3765736,1.130609,9.824331,-0.103490,9.889715,90.599571,83.435135

18.3790417,1.140180,9.798011,-0.062812,9.864328,90.364838,83.362427

18.3815098,1.183251,9.774082,-0.081954,9.845785,90.476921,83.097359

18.3839779,1.219143,9.728619,-0.093918,9.805160,90.548813,82.857208

18.3864479,1.259821,9.711869,-0.151346,9.794410,90.885384,82.608879

18.3889160,1.271785,9.678370,-0.184846,9.763321,91.084824,82.513947

18.3913841,1.295713,9.692726,-0.196810,9.780928,91.152969,82.385902

18.3938522,1.341177,9.673584,-0.244666,9.769178,91.435104,82.106644

18.3963203,1.365105,9.675977,-0.268594,9.775489,91.574478,81.969604

18.3987885,1.381855,9.695119,-0.299701,9.797688,91.752892,81.888214

18.4012566,1.386641,9.716655,-0.318844,9.820276,91.860603,81.878296

18.4037247,1.379462,9.723833,-0.316451,9.826291,91.845505,81.925667

18.4061947,1.408176,9.764511,-0.304487,9.870226,91.767799,81.793739

18.4086628,1.389034,9.733404,-0.290130,9.836297,91.690231,81.878281

18.4111309,1.386641,9.747761,-0.297308,9.850381,91.729584,81.903870

18.4135990,1.386641,9.778868,-0.273380,9.880474,91.585503,81.929283

18.4160652,1.360320,9.778868,-0.244666,9.876061,91.419571,82.080513

18.4185352,1.403391,9.776475,-0.215952,9.879048,91.252563,81.831123

18.4210033,1.422533,9.759726,-0.168096,9.864285,90.976418,81.707222

18.4234715,1.434497,9.738190,-0.136989,9.844232,90.797333,81.620232

18.4259396,1.458425,9.719048,-0.089133,9.828267,90.519623,81.465958

18.4284096,1.477568,9.690333,-0.058026,9.802506,90.339165,81.330399

18.4308758,1.506282,9.675977,-0.024526,9.792549,90.143501,81.151649

18.4333458,1.487139,9.683155,-0.005384,9.796688,90.031487,81.268730

18.4358120,1.491925,9.685548,-0.005384,9.799781,90.031479,81.243202

18.4382820,1.511068,9.661619,0.023330,9.779098,89.863312,81.111008

18.4407482,1.475175,9.692726,0.008973,9.804344,89.947563,81.346329

18.4432182,1.458425,9.697512,-0.029312,9.806610,90.171257,81.447289

18.4456863,1.424926,9.723833,0.008973,9.827686,89.947685,81.663239

18.4481564,1.398605,9.733404,0.013759,9.833385,89.919830,81.823067

18.4506226,1.310070,9.750154,0.020937,9.837796,89.878059,82.347336

18.4530926,1.271785,9.790833,0.056830,9.873250,89.670212,82.598976

18.4555588,1.219143,9.800404,0.040080,9.876023,89.767479,82.908989

18.4580269,1.156930,9.819546,0.030508,9.887512,89.823212,83.280441

18.4604950,1.099502,9.795618,0.011366,9.857138,89.933937,83.595680

18.4629631,1.063610,9.800404,-0.019741,9.857969,90.114738,83.806099

18.4654331,1.027717,9.809975,-0.024526,9.863691,90.142471,84.019371

18.4679012,1.008575,9.802796,-0.069990,9.854793,90.406929,84.125710

18.4703693,0.996611,9.793225,-0.079561,9.844127,90.463074,84.189278

18.4728374,0.967897,9.781260,-0.105882,9.829602,90.617188,84.348740

18.4753056,0.924826,9.781260,-0.110668,9.825508,90.645355,84.598694

18.4777737,0.917647,9.776475,-0.074776,9.819732,90.436302,84.637764

18.4802418,0.891326,9.788439,-0.060419,9.829123,90.352196,84.797050

18.4827099,0.857827,9.783653,-0.024526,9.821219,90.143082,84.989143

18.4851799,0.855434,9.759726,-0.000598,9.797143,90.003502,84.990860

18.4876480,0.843470,9.726226,0.006580,9.762733,89.961380,85.043640

18.4901161,0.833899,9.731011,0.020937,9.766699,89.877174,85.102005

18.4925842,0.843470,9.716655,0.023330,9.753223,89.862946,85.038780

18.4950542,0.821935,9.697512,0.023330,9.732309,89.862656,85.155342

18.4975204,0.821935,9.711869,0.075972,9.746884,89.553406,85.162476

18.4999886,0.819542,9.680762,0.092722,9.715833,89.453194,85.161064

18.5024567,0.805185,9.707084,0.121436,9.741178,89.285721,85.258278

18.5049267,0.778864,9.745368,0.107079,9.777029,89.372482,85.430550

18.5073948,0.759721,9.764511,0.064008,9.794230,89.625557,85.551102

18.5098629,0.723829,9.757333,0.042473,9.784236,89.751282,85.757393

18.5123310,0.695115,9.781260,0.004187,9.805930,89.975533,85.935051

18.5148010,0.668794,9.802796,-0.019741,9.825604,90.115112,86.097054

18.5172672,0.649651,9.807582,-0.031705,9.829126,90.184814,86.210281

18.5197353,0.630509,9.824331,-0.046062,9.844651,90.268082,86.327888

18.5222034,0.616152,9.836296,-0.081954,9.855916,90.476433,86.415642

18.5246735,0.594616,9.831510,-0.084347,9.849836,90.490646,86.538925

18.5271416,0.585045,9.829117,-0.101097,9.847032,90.588249,86.593681

18.5296097,0.592224,9.819546,-0.067597,9.837621,90.393700,86.548630

18.5320778,0.570688,9.807582,-0.072383,9.824438,90.422142,86.669800

18.5345478,0.580260,9.795618,-0.053240,9.812934,90.310860,86.609955

18.5370140,0.587438,9.778868,-0.029312,9.796540,90.171432,86.562248

18.5394821,0.620937,9.774082,-0.022134,9.793811,90.129486,86.364944

18.5419502,0.647259,9.754940,0.001795,9.776390,89.989479,86.203880

18.5444202,0.671187,9.754940,0.001795,9.778003,89.989487,86.063980

18.5468884,0.690329,9.752547,0.023330,9.776977,89.863281,85.951103

18.5493565,0.702293,9.721440,0.028116,9.746816,89.834724,85.868034

18.5518246,0.731007,9.719048,0.016152,9.746513,89.905052,85.698662

18.5542908,0.745364,9.733404,0.025723,9.761935,89.849022,85.620949

18.5567608,0.742971,9.742975,-0.010169,9.771268,90.059631,85.639229

18.5592270,0.714258,9.766904,-0.036491,9.793054,90.213493,85.817383

18.5616970,0.774078,9.781260,-0.038883,9.811919,90.227058,85.475105

18.5641651,0.819542,9.783653,-0.017348,9.817933,90.101242,85.211716

18.5666351,0.831506,9.805189,0.013759,9.840392,89.919891,85.152763

18.5691013,0.886541,9.829117,0.047258,9.869130,89.725639,84.846130

18.5715714,0.939183,9.802796,0.090329,9.848098,89.474464,84.527328

18.5740395,1.001396,9.824331,0.104686,9.875791,89.392639,84.179932

18.5765076,1.075574,9.798011,0.119043,9.857588,89.308067,83.735458

18.5789738,1.116252,9.786046,0.111864,9.850139,89.349297,83.492645

18.5814438,1.176072,9.783653,0.104686,9.854642,89.391335,83.145485

18.5839119,1.267000,9.788439,0.083151,9.870447,89.517326,82.624733

18.5863800,1.281357,9.788439,0.056830,9.872114,89.670174,82.542099

18.5888481,1.367498,9.766904,0.073579,9.862448,89.572540,82.029633

18.5913181,1.405783,9.786046,0.073579,9.886776,89.573593,81.825279

18.5937862,1.467997,9.783653,0.102293,9.893703,89.407593,81.466667

18.5962524,1.499103,9.788439,0.099900,9.903071,89.422005,81.292786

18.5987206,1.515853,9.757333,0.092722,9.874814,89.461998,81.169388

18.6011887,1.561317,9.778868,0.064008,9.902932,89.629662,80.928589

18.6036587,1.585245,9.750154,0.018544,9.878201,89.892441,80.765274

18.6061268,1.601995,9.750154,-0.036491,9.880953,90.211594,80.669411

18.6085949,1.587638,9.750154,-0.072383,9.878833,90.419815,80.751579

18.6110630,1.578067,9.759726,-0.089133,9.886885,90.516541,80.815239

18.6135330,1.518246,9.771689,-0.105882,9.889499,90.613449,81.168457

18.6159992,1.477568,9.769297,-0.129811,9.881256,90.752716,81.399422

18.6184673,1.422533,9.793225,-0.113061,9.896648,90.654572,81.735199

18.6209354,1.367498,9.788439,-0.101097,9.884018,90.586052,82.046944

18.6234055,1.290928,9.790833,-0.115454,9.876245,90.669807,82.488838

18.6258736,1.252643,9.790833,-0.096311,9.871109,90.559036,82.709167

18.6283417,1.207179,9.802796,-0.110668,9.877466,90.641960,82.979576

18.6308098,1.161715,9.819546,-0.105882,9.888593,90.613510,83.252899

18.6332798,1.125823,9.807582,-0.067597,9.872219,90.392319,83.451614

18.6357460,1.113859,9.790833,-0.036491,9.854056,90.212173,83.509621

18.6382141,1.075574,9.764511,-0.065204,9.823787,90.380295,83.714134

18.6406822,1.087538,9.714262,-0.098704,9.775448,90.578529,83.612183

18.6431522,1.087538,9.640084,-0.168096,9.702691,90.992676,83.563438

18.6456203,1.066002,9.594621,-0.268594,9.657393,91.593735,83.660202

18.6480885,1.058824,9.582657,-0.376271,9.648316,92.235023,83.694748

18.6505566,1.037289,9.611370,-0.440878,9.677230,92.611198,83.840302

18.6530266,0.999003,9.661619,-0.507877,9.726399,92.993134,84.096642

18.6554928,0.943969,9.728619,-0.522234,9.788249,93.058357,84.457939

18.6579609,0.943969,9.766904,-0.493520,9.824818,92.879288,84.479523

18.6604290,0.903291,9.793225,-0.488734,9.846931,92.844940,84.730164

18.6628990,0.912862,9.731011,-0.467199,9.784895,92.736740,84.640793

18.6653671,0.903291,9.728619,-0.445663,9.780622,92.611641,84.695366

18.6678352,0.900898,9.707084,-0.426521,9.758125,92.505157,84.697662

18.6703033,0.900898,9.692726,-0.385843,9.742146,92.269821,84.689857

18.6727734,0.946361,9.685548,-0.345165,9.737791,92.031326,84.419426

18.6752396,0.975075,9.690333,-0.311665,9.744253,91.832893,84.254036

18.6777077,1.025324,9.702297,-0.292523,9.760709,91.717377,83.967461

18.6801758,1.070788,9.716655,-0.251845,9.778721,91.475777,83.711304

18.6826439,1.121037,9.745368,-0.208774,9.811855,91.219215,83.437950

18.6851139,1.130609,9.781260,-0.187238,9.848166,91.089401,83.406487

18.6875820,1.168894,9.788439,-0.144168,9.859038,90.837860,83.190231

18.6900501,1.207179,9.826724,-0.101097,9.901112,90.585037,82.996498

18.6925182,1.231107,9.824331,-0.058026,9.901337,90.335777,82.857376

18.6949863,1.281357,9.793225,-0.048455,9.876816,90.281090,82.545700

18.6974525,1.310070,9.790833,-0.002991,9.878092,90.017349,82.378761

18.6999226,1.331606,9.776475,0.004187,9.866744,89.975685,82.243752

18.7023907,1.345963,9.757333,0.028116,9.849770,89.836449,82.145973

18.7048607,1.353141,9.742975,0.052044,9.836629,89.696854,82.093124

18.7073269,1.336391,9.754940,0.080758,9.846386,89.530067,82.199249

18.7097969,1.343570,9.764511,0.090329,9.856928,89.474930,82.165459

18.7122650,1.319642,9.771689,0.092722,9.860830,89.461235,82.308884

18.7147312,1.305285,9.783653,0.142971,9.871377,89.170135,82.400764

18.7171993,1.250250,9.766904,0.142971,9.847638,89.168129,82.705307

18.7196693,1.231107,9.750154,0.193220,9.829470,88.873650,82.803604

18.7221375,1.209572,9.766904,0.186042,9.843276,88.917023,82.940208

18.7246056,1.166501,9.754940,0.152542,9.825622,89.110451,83.180916

18.7270737,1.147358,9.764511,0.114257,9.832353,89.334175,83.298309

18.7295418,1.087538,9.759726,0.044865,9.820234,89.738235,83.641693

18.7320118,1.051646,9.776475,0.028116,9.832914,89.836174,83.860359

18.7344780,0.994218,9.802796,-0.005384,9.853086,90.031303,84.208755

18.7369461,1.010968,9.771689,-0.022134,9.823872,90.129089,84.093262

18.7394142,0.977468,9.783653,-0.017348,9.832376,90.101089,84.294609

18.7418842,0.929612,9.776475,-0.019741,9.820592,90.115173,84.568268

18.7443523,0.955933,9.769297,-0.010169,9.815960,90.059357,84.411362

18.7468204,0.929612,9.769297,-0.017348,9.813441,90.101288,84.564301

18.7492886,0.908076,9.757333,-0.043669,9.799595,90.255325,84.683022

18.7517586,0.920040,9.745368,-0.067597,9.788935,90.395660,84.606804

18.7542248,0.927219,9.745368,-0.079561,9.789702,90.465652,84.564980

18.7566929,0.927219,9.750154,-0.134596,9.795069,90.787338,84.567635

18.7591610,0.941576,9.752547,-0.146560,9.798990,90.856987,84.485374

18.7616310,0.939183,9.757333,-0.132203,9.803320,90.772690,84.501984

18.7640991,0.953540,9.757333,-0.151346,9.804983,90.884430,84.418465

18.7665672,0.941576,9.757333,-0.144168,9.803719,90.842590,84.488068

18.7690353,0.936790,9.776475,-0.141775,9.822278,90.827034,84.526581

18.7715054,0.908076,9.757333,-0.132203,9.800389,90.772919,84.683022

18.7739716,0.912862,9.793225,-0.117847,9.836385,90.686455,84.674644

18.7764397,0.884148,9.788439,-0.079561,9.828610,90.463806,84.838722

18.7789078,0.896112,9.788439,-0.079561,9.829694,90.463753,84.769264

18.7813778,0.893719,9.771689,-0.038883,9.812551,90.227043,84.774261

18.7838459,0.869791,9.771689,-0.036491,9.810392,90.213120,84.913429

18.7863140,0.876970,9.769297,-0.002991,9.808579,90.017471,84.870422

18.7887821,0.869791,9.740582,0.001795,9.779340,89.989487,84.897270

18.7912521,0.896112,9.731011,0.020937,9.772207,89.877243,84.738571

18.7937183,0.912862,9.731011,0.049651,9.773861,89.708939,84.640793

18.7961864,0.934397,9.723833,0.066401,9.768850,89.610550,84.511101

18.7986546,0.953540,9.711869,0.035294,9.758632,89.792778,84.392502

18.8011246,1.008575,9.721440,-0.012562,9.773626,90.073647,84.076897

18.8035927,1.013360,9.740582,-0.034098,9.793212,90.199493,84.060608

18.8060608,1.056431,9.754940,-0.062812,9.812178,90.366776,83.819122

18.8085289,1.027717,9.750154,-0.079561,9.804491,90.464951,83.982941

18.8109970,1.025324,9.771689,-0.089133,9.825739,90.519760,84.009987

18.8134670,1.068395,9.745368,-0.069990,9.804008,90.409035,83.743584

18.8159332,1.094716,9.738190,-0.077169,9.799831,90.451180,83.586037

18.8184013,1.092324,9.692726,-0.067597,9.754315,90.397064,83.570168

18.8208694,1.111466,9.711869,-0.081954,9.775606,90.480347,83.471237

18.8233395,1.133002,9.714262,-0.065204,9.780329,90.381989,83.347488

18.8258057,1.135394,9.719048,-0.074776,9.785428,90.437836,83.336823

18.8282757,1.161715,9.733404,-0.091525,9.802914,90.534950,83.193748

18.8307438,1.180858,9.738190,-0.110668,9.810148,90.646362,83.086037

18.8332138,1.216750,9.750154,-0.098704,9.826278,90.575539,82.886665

18.8356781,1.228714,9.750154,-0.101097,9.827791,90.589401,82.817451

18.8381481,1.228714,9.764511,-0.081954,9.841856,90.477112,82.827896

18.8406162,1.231107,9.762118,-0.029312,9.839484,90.170685,82.812332

18.8430843,1.271785,9.774082,-0.062812,9.856676,90.365120,82.586433

18.8455524,1.226322,9.776475,-0.034098,9.853147,90.198280,82.850388

18.8480225,1.223929,9.764511,-0.022134,9.840943,90.128868,82.855545

18.8504906,1.190429,9.747761,-0.014955,9.820192,90.087257,83.037323

18.8529568,1.130609,9.733404,-0.038883,9.798925,90.227356,83.374352

18.8554249,1.099502,9.723833,-0.007777,9.785801,90.045532,83.548798

18.8578949,1.063610,9.728619,-0.031705,9.786638,90.185616,83.760750

18.8603630,1.032503,9.754940,-0.017348,9.809445,90.101326,83.958076

18.8628311,1.003789,9.778868,-0.043669,9.830348,90.254524,84.139183

18.8652992,0.984646,9.795618,-0.038883,9.845058,90.226295,84.259964

18.8677673,0.953540,9.838689,-0.022134,9.884813,90.128296,84.464333

18.8702374,0.939183,9.831510,-0.029312,9.876310,90.170052,84.543213

18.8727036,0.955933,9.838689,-0.038883,9.885096,90.225372,84.450531

18.8751717,0.963111,9.833903,-0.034098,9.881012,90.197716,84.406418

18.8776398,0.955933,9.809975,-0.007777,9.856443,90.045204,84.434387

18.8801098,1.006182,9.802796,-0.038883,9.854377,90.226082,84.139549

18.8825779,1.037289,9.766904,-0.058026,9.822002,90.338493,83.937660

18.8850460,1.080359,9.742975,-0.069990,9.802940,90.409081,83.672546

18.8875141,1.097109,9.733404,-0.098704,9.795537,90.577347,83.569000

18.8899841,1.121037,9.733404,-0.127418,9.798577,90.745079,83.429955

18.8924522,1.142573,9.716655,-0.175274,9.785172,91.026352,83.293442

18.8949184,1.154537,9.745368,-0.180060,9.815171,91.051155,83.243645

18.8973866,1.156930,9.740582,-0.192024,9.810927,91.121490,83.226471

18.8998566,1.152144,9.774082,-0.208774,9.843968,91.215240,83.277145

18.9023247,1.159323,9.786046,-0.218345,9.856896,91.269295,83.243835

18.9047928,1.164108,9.774082,-0.220738,9.845636,91.284668,83.207977

18.9072609,1.156930,9.783653,-0.239880,9.854740,91.394814,83.256020

18.9097309,1.164108,9.790833,-0.244666,9.862830,91.421478,83.219490

18.9121990,1.195215,9.790833,-0.239880,9.866432,91.393158,83.040062

18.9146652,1.200001,9.807582,-0.244666,9.883750,91.418465,83.024284

18.9171333,1.190429,9.786046,-0.237488,9.861046,91.380013,83.064301

18.9196033,1.197608,9.795618,-0.256630,9.871892,91.489632,83.029640

18.9220715,1.233500,9.790833,-0.237488,9.871085,91.378609,82.819412

18.9245396,1.252643,9.769297,-0.239880,9.852199,91.395172,82.693268

18.9270077,1.276571,9.805189,-0.244666,9.890966,91.417435,82.582191

18.9294777,1.276571,9.795618,-0.251845,9.881660,91.460403,82.575027

18.9319458,1.276571,9.783653,-0.278166,9.870505,91.614891,82.566048

18.9344120,1.286142,9.769297,-0.270987,9.857320,91.575317,82.500061

18.9368801,1.271785,9.757333,-0.294915,9.844286,91.716728,82.573845

18.9393501,1.271785,9.742975,-0.270987,9.829366,91.579796,82.563026

18.9418182,1.264607,9.754940,-0.247059,9.839670,91.438759,82.613510

18.9442863,1.286142,9.766904,-0.211167,9.853485,91.227982,82.498245

18.9467545,1.271785,9.750154,-0.194417,9.834671,91.132729,82.568443

18.9492226,1.295713,9.759726,-0.172881,9.846878,91.005989,82.437561

18.9516926,1.322034,9.757333,-0.170489,9.847963,90.991959,82.283905

18.9541569,1.310070,9.757333,-0.168096,9.846324,90.978195,82.352905

18.9566269,1.333999,9.750154,-0.134596,9.841909,90.783592,82.209267

18.9590950,1.341177,9.742975,-0.158524,9.836130,90.923447,82.162163

18.9615650,1.355534,9.745368,-0.201595,9.841255,91.173767,82.081238

18.9640312,1.350748,9.728619,-0.177667,9.823548,91.036301,82.095428

18.9665012,1.345963,9.716655,-0.136989,9.810390,90.800087,82.113503

18.9689693,1.338784,9.726226,-0.086740,9.818316,90.506187,82.162666

18.9714394,1.350748,9.704690,-0.041276,9.798328,90.241364,82.076187

18.9739037,1.322034,9.678370,-0.014955,9.768256,90.087723,82.221718

18.9763737,1.336391,9.652048,0.013759,9.744135,89.919098,82.117126

18.9788418,1.329213,9.642477,0.025723,9.733696,89.848587,82.151260

18.9813099,1.350748,9.616156,0.018544,9.710578,89.890579,82.004173

18.9837780,1.329213,9.620942,-0.019741,9.712349,90.116455,82.133911

18.9862480,1.341177,9.628120,-0.036491,9.721152,90.215073,82.069847

18.9887161,1.341177,9.656834,-0.072383,9.749791,90.425369,82.093124

18.9911842,1.374677,9.680762,-0.055633,9.778036,90.325989,81.917984

18.9936504,1.367498,9.690333,-0.055633,9.786507,90.325706,81.967468

18.9961185,1.326820,9.719048,-0.034098,9.809256,90.199165,82.226181

18.9985886,1.262214,9.733404,-0.014955,9.814916,90.087303,82.611198

19.0010567,1.278964,9.769297,0.008973,9.852664,89.947823,82.541443

19.0035248,1.223929,9.783653,0.025723,9.859946,89.850525,82.869377

19.0059929,1.192822,9.783653,-0.002991,9.856100,90.017387,83.048813

19.0084629,1.161715,9.769297,0.006580,9.838129,89.961678,83.218521

19.0109310,1.111466,9.759726,-0.034098,9.822869,90.198891,83.502975

19.0133972,1.066002,9.723833,-0.062812,9.782292,90.367897,83.743774

19.0158653,1.030110,9.721440,-0.081954,9.776208,90.480316,83.951355

19.0183353,0.999003,9.747761,-0.067597,9.799052,90.395248,84.148445

19.0208035,0.943969,9.795618,-0.079561,9.841318,90.463211,84.495605

19.0232716,0.910469,9.824331,-0.031705,9.866481,90.184113,84.705246

19.0257397,0.855434,9.862617,-0.041276,9.899731,90.238892,85.042854

19.0282097,0.802792,9.845867,-0.010169,9.878547,90.058983,85.338646

19.0306778,0.788435,9.848260,-0.010169,9.879775,90.058975,85.422760

19.0331440,0.740579,9.853045,-0.007777,9.880841,90.045097,85.701591

19.0356121,0.704686,9.829117,-0.026919,9.854382,90.156517,85.899269

19.0380821,0.711865,9.812367,-0.031705,9.838207,90.184647,85.850594

19.0405502,0.699901,9.800404,-0.046062,9.825472,90.268600,85.915131

19.0430183,0.735793,9.771689,-0.043669,9.799450,90.255325,85.693840

19.0454865,0.757328,9.776475,-0.017348,9.805779,90.101364,85.570465

19.0479565,0.845863,9.788439,-0.019741,9.824938,90.115120,85.061081

19.0504246,0.886541,9.764511,-0.024526,9.804705,90.143326,84.812218

19.0528908,0.967897,9.766904,-0.007777,9.814749,90.045395,84.340485

19.0553589,1.046860,9.762118,0.042473,9.818181,89.752144,83.879166

19.0578289,1.101895,9.745368,0.035294,9.807528,89.793808,83.549049

19.0602970,1.173679,9.745368,0.040080,9.815871,89.766052,83.132683

19.0627651,1.245464,9.726226,0.052044,9.805782,89.695900,82.702866

19.0652332,1.326820,9.711869,0.049651,9.802210,89.709778,82.220505

19.0677032,1.341177,9.711869,0.028116,9.804079,89.835693,82.137375

19.0701714,1.405783,9.719048,0.037687,9.820261,89.780113,81.769699

19.0726376,1.410569,9.702297,0.013759,9.804309,89.919594,81.728004

19.0751057,1.458425,9.723833,0.004187,9.832597,89.975601,81.470093

19.0775738,1.479961,9.742975,-0.000598,9.854737,90.003479,81.362778

19.0800438,1.484746,9.731011,0.016152,9.843643,89.905991,81.324783

19.0825119,1.491925,9.728619,0.020937,9.842372,89.878120,81.281372

19.0849800,1.460818,9.726226,0.052044,9.835455,89.696823,81.458382

19.0874481,1.436890,9.707084,0.056830,9.813020,89.668182,81.579941

19.0899181,1.420140,9.709476,0.061615,9.812978,89.640244,81.678734

19.0923824,1.362713,9.714262,0.085543,9.809750,89.500359,82.014679

19.0948524,1.353141,9.697512,0.085543,9.791836,89.499443,82.056526

19.0973206,1.305285,9.690333,0.080758,9.778182,89.526787,82.328453

19.0997906,1.278964,9.680762,0.073579,9.765159,89.568275,82.474014

19.1022568,1.257428,9.664013,0.066401,9.745701,89.609619,82.586639

19.1047268,1.257428,9.664013,0.056830,9.745640,89.665894,82.586639

19.1071949,1.233500,9.678370,0.068794,9.756900,89.596016,82.736855

19.1096630,1.216750,9.704690,0.114257,9.781337,89.330704,82.853683

19.1121292,1.243071,9.697512,0.133400,9.777768,89.218277,82.695396

19.1145992,1.226322,9.671191,0.145364,9.749715,89.145714,82.773376

19.1170673,1.238286,9.687941,0.135793,9.767701,89.203438,82.716110

19.1195354,1.245464,9.699904,0.107079,9.780122,89.372681,82.683273

19.1220036,1.235893,9.714262,0.056830,9.792729,89.667496,82.749519

19.1244717,1.204786,9.704690,0.032901,9.779243,89.807236,82.923241

19.1269417,1.192822,9.692726,-0.017348,9.765862,90.101776,82.984245

19.1294098,1.171287,9.709476,-0.041276,9.779956,90.241814,83.121452

19.1318760,1.173679,9.747761,-0.065204,9.818381,90.380508,83.134354

19.1343441,1.147358,9.769297,-0.046062,9.836550,90.268303,83.301559

19.1368141,1.149751,9.783653,-0.036491,9.851048,90.212234,83.297478

19.1392822,1.140180,9.786046,-0.062812,9.852444,90.365273,83.354385

19.1417503,1.137787,9.802796,-0.065204,9.868821,90.378563,83.379440

19.1442184,1.128216,9.814760,-0.101097,9.879910,90.586296,83.442581

19.1466885,1.154537,9.788439,-0.113061,9.856940,90.657204,83.273102

19.1491566,1.147358,9.781260,-0.139382,9.849310,90.810844,83.309685

19.1516228,1.154537,9.757333,-0.144168,9.826458,90.840637,83.251846

19.1540909,1.140180,9.759726,-0.156132,9.827341,90.910324,83.336624

19.1565609,1.156930,9.776475,-0.170489,9.846168,90.992142,83.251114

19.1590290,1.168894,9.728619,-0.156132,9.799832,90.912880,83.148750

19.1614971,1.135394,9.733404,-0.160917,9.800723,90.940781,83.346558

19.1639652,1.113859,9.702297,-0.134596,9.766953,90.789604,83.450905

19.1664352,1.099502,9.685548,-0.134596,9.748685,90.791084,83.523514

19.1689034,1.144966,9.704690,-0.180060,9.773657,91.055618,83.271309

19.1713696,1.147358,9.683155,-0.163310,9.752261,90.959511,83.242523

19.1738377,1.173679,9.719048,-0.158524,9.790942,90.927711,83.114258

19.1763077,1.219143,9.721440,-0.141775,9.798613,90.829033,82.851990

19.1787758,1.267000,9.745368,-0.098704,9.827880,90.575447,82.592499

19.1812439,1.312463,9.757333,-0.077169,9.845510,90.449089,82.339104

19.1837120,1.331606,9.802796,-0.058026,9.892995,90.336060,82.264328

19.1861820,1.372284,9.809975,-0.048455,9.905610,90.280273,82.036766

19.1886501,1.386641,9.807582,-0.000598,9.905122,90.003464,81.952599

19.1911163,1.393819,9.786046,0.030508,9.884855,89.823166,81.893929

19.1935844,1.441676,9.778868,0.013759,9.884578,89.920250,81.613426

19.1960545,1.444068,9.769297,-0.005384,9.875450,90.031235,81.591599

19.1985226,1.424926,9.781260,-0.055633,9.884664,90.322472,81.711502

19.2009907,1.432104,9.771689,-0.067597,9.876306,90.392159,81.662292

19.2034588,1.415355,9.786046,-0.086740,9.888247,90.502609,81.770386

19.2059288,1.393819,9.778868,-0.081954,9.878041,90.475365,81.888054

19.2083969,1.360320,9.786046,-0.050847,9.880271,90.294868,82.086250

19.2108650,1.336391,9.771689,-0.041276,9.862736,90.239784,82.212456

19.2133312,1.262214,9.783653,0.006580,9.864740,89.961784,82.648735

19.2157993,1.219143,9.759726,0.011366,9.835583,89.933792,82.879738

19.2182693,1.185644,9.759726,0.006580,9.831482,89.961655,83.073463

19.2207355,1.130609,9.747761,-0.012562,9.813117,90.073349,83.384026

19.2232056,1.092324,9.711869,-0.031705,9.773156,90.185875,83.582741

19.2256737,1.042074,9.711869,-0.072383,9.767884,90.424583,83.875648

19.2281437,1.037289,9.731011,-0.129811,9.787002,90.759972,83.915466

19.2306080,1.039681,9.738190,-0.120239,9.794271,90.703407,83.905998

19.2330780,1.063610,9.781260,-0.115454,9.839596,90.672302,83.794067

19.2355461,1.094716,9.771689,-0.129811,9.833675,90.756363,83.607841

19.2380161,1.109073,9.793225,-0.096311,9.856297,90.559875,83.538834

19.2404823,1.147358,9.805189,-0.115454,9.872765,90.670044,83.325859

19.2429523,1.183251,9.812367,-0.108275,9.884046,90.627663,83.124031

19.2454205,1.207179,9.790833,-0.113061,9.865621,90.656631,82.971085

19.2478886,1.250250,9.795618,-0.103490,9.875625,90.600433,82.726463

19.2503548,1.209572,9.776475,-0.125025,9.851810,90.727135,82.947052

19.2528229,1.233500,9.742975,-0.117847,9.821455,90.687500,82.784508

19.2552929,1.221536,9.687941,-0.117847,9.765359,90.691452,82.813599

19.2577610,1.192822,9.707084,-0.108275,9.780696,90.634293,82.994522

19.2602291,1.142573,9.692726,-0.113061,9.760491,90.663704,83.277031

19.2626972,1.109073,9.702297,-0.117847,9.766191,90.691391,83.478806

19.2651672,1.063610,9.666406,-0.081954,9.725090,90.482841,83.720917

19.2676353,1.027717,9.678370,-0.048455,9.732903,90.285248,83.938644

19.2701015,0.967897,9.704690,-0.010169,9.752842,90.059746,84.304443

19.2725697,0.924826,9.711869,-0.031705,9.755856,90.186203,84.560333

19.2750397,0.879362,9.728619,-0.012562,9.768289,90.073685,84.835114

19.2775078,0.853041,9.757333,-0.010169,9.794556,90.059486,85.003586

19.2799759,0.843470,9.769297,-0.005384,9.805643,90.031456,85.065384

19.2824440,0.831506,9.788439,-0.010169,9.823698,90.059311,85.144508

19.2849140,0.809970,9.790833,-0.012562,9.824287,90.073265,85.270836

19.2873821,0.812363,9.800404,-0.022134,9.834040,90.128960,85.261543

19.2898502,0.841077,9.786046,0.006580,9.822125,89.961617,85.087692

19.2923164,0.872184,9.814760,-0.005384,9.853438,90.031303,84.921776

19.2947865,0.884148,9.812367,-0.002991,9.852120,90.017395,84.851242

19.2972546,0.920040,9.826724,0.030508,9.869747,89.822891,84.651199

19.2997227,0.951147,9.829117,0.061615,9.875222,89.642509,84.472794

19.3021908,1.006182,9.814760,0.078365,9.866512,89.544922,84.146645

19.3046608,1.051646,9.824331,0.099900,9.880962,89.420708,83.890038

19.3071289,1.089931,9.783653,0.092722,9.844614,89.460350,83.643272

19.3095970,1.133002,9.757333,0.066401,9.823118,89.612701,83.376595

19.3120632,1.156930,9.750154,0.059222,9.818732,89.654411,83.233063

19.3145332,1.211965,9.714262,0.047258,9.789687,89.723412,82.888443

19.3170013,1.228714,9.719048,0.016152,9.796422,89.905533,82.794701

19.3194695,1.274178,9.735797,-0.017348,9.818837,90.101227,82.543762

19.3219376,1.298106,9.721440,-0.002991,9.807726,90.017471,82.394272

19.3244076,1.314856,9.709476,-0.012562,9.798109,90.073463,82.287926

19.3268757,1.312463,9.731011,-0.031705,9.819172,90.184998,82.318626

19.3293438,1.326820,9.757333,-0.046062,9.847239,90.268013,82.256310

19.3318100,1.312463,9.731011,-0.069990,9.819370,90.408394,82.318626

19.3342800,1.326820,9.742975,-0.096311,9.833377,90.561180,82.245041

19.3367481,1.300499,9.747761,-0.117847,9.834837,90.686569,82.400749

19.3392162,1.286142,9.766904,-0.113061,9.851871,90.657547,82.498245

19.3416843,1.235893,9.757333,-0.091525,9.835718,90.533173,82.781189

19.3441525,1.226322,9.747761,-0.084347,9.824959,90.491890,82.829552

19.3466225,1.190429,9.745368,-0.086740,9.818190,90.506195,83.035629

19.3490868,1.159323,9.740582,-0.046062,9.809440,90.269043,83.212593

19.3515568,1.152144,9.754940,-0.062812,9.822945,90.366371,83.264069

19.3540249,1.070788,9.742975,-0.053240,9.801785,90.311218,83.728157

19.3564949,1.051646,9.745368,-0.034098,9.802006,90.199310,83.840912

19.3589611,1.049253,9.719048,-0.031705,9.775573,90.185829,83.838303

19.3614311,1.022932,9.745368,-0.036491,9.798976,90.213364,84.007835

19.3638992,1.018146,9.735797,-0.007777,9.788893,90.045517,84.029846

19.3663692,0.987039,9.728619,-0.000598,9.778562,90.003502,84.206749

19.3688354,0.999003,9.752547,0.052044,9.803719,89.695839,84.151299

19.3713036,1.008575,9.735797,0.064008,9.788108,89.625320,84.085571

19.3737717,0.996611,9.752547,0.080758,9.803669,89.528023,84.165215

19.3762398,1.018146,9.735797,0.107079,9.789475,89.373276,84.029846

19.3787079,1.034896,9.711869,0.092722,9.767293,89.456078,83.917519

19.3811779,1.070788,9.714262,0.133400,9.774010,89.217979,83.709770

19.3836460,1.077967,9.738190,0.133400,9.798578,89.219940,83.683372

19.3861141,1.111466,9.738190,0.159721,9.802714,89.066406,83.488731

19.3885822,1.128216,9.690333,0.147757,9.756908,89.132294,83.359123

19.3910484,1.133002,9.726226,0.128614,9.792839,89.247482,83.355598

19.3935184,1.137787,9.723833,0.128614,9.791018,89.247345,83.326157

19.3959866,1.125823,9.740582,0.119043,9.806150,89.304436,83.406967

19.3984547,1.121037,9.731011,0.078365,9.795685,89.541634,83.428352

19.4009228,1.123430,9.764511,0.068794,9.829166,89.598984,83.436844

19.4033928,1.087538,9.778868,0.121436,9.839906,89.292885,83.654037

19.4058609,1.087538,9.783653,0.116650,9.844604,89.321075,83.657120

19.4083290,1.109073,9.752547,0.119043,9.816129,89.305138,83.512115

19.4107952,1.089931,9.798011,0.078365,9.858758,89.544563,83.652512

19.4132652,1.080359,9.788439,0.052044,9.848016,89.697205,83.701698

19.4157333,1.058824,9.793225,0.006580,9.850301,89.961723,83.829262

19.4182014,1.051646,9.786046,-0.046062,9.842498,90.268143,83.866318

19.4206696,1.051646,9.771689,-0.072383,9.828383,90.421967,83.857376

19.4231396,1.054038,9.740582,-0.086740,9.797830,90.507240,83.823997

19.4256077,1.046860,9.733404,-0.050847,9.789671,90.297592,83.861244

19.4280758,1.058824,9.754940,-0.055633,9.812393,90.324852,83.805237

19.4305420,1.046860,9.740582,-0.041276,9.796762,90.241402,83.865738

19.4330120,1.042074,9.745368,-0.081954,9.801267,90.479088,83.896545

19.4354801,1.073181,9.759726,-0.065204,9.818769,90.380493,83.724960

19.4379482,1.092324,9.769297,-0.084347,9.830536,90.491608,83.620148

19.4404163,1.113859,9.771689,-0.096311,9.835440,90.561066,83.497017

19.4428864,1.125823,9.776475,-0.098704,9.841579,90.574646,83.430962

19.4453545,1.161715,9.771689,-0.103490,9.841047,90.602539,83.220169

19.4478226,1.209572,9.771689,-0.098704,9.846762,90.574341,82.943634

19.4502888,1.207179,9.769297,-0.089133,9.844003,90.518791,82.955742

19.4527588,1.200001,9.781260,-0.093918,9.855043,90.546036,83.005699

19.4552269,1.188036,9.788439,-0.060419,9.860457,90.351074,83.079781

19.4576950,1.197608,9.778868,-0.034098,9.851989,90.198303,83.017815

19.4601631,1.209572,9.786046,-0.012562,9.860523,90.072998,82.953880

19.4626331,1.211965,9.783653,0.008973,9.858438,89.947853,82.938377

19.4651012,1.252643,9.786046,0.018544,9.865909,89.892303,82.705635

19.4675694,1.269392,9.798011,0.023330,9.879925,89.864700,82.618095

19.4700356,1.278964,9.809975,0.018544,9.893012,89.892601,82.572029

19.4725037,1.278964,9.800404,0.013759,9.883514,89.920242,82.564857

19.4749737,1.305285,9.800404,0.030508,9.886992,89.823204,82.413605

19.4774418,1.271785,9.774082,0.059222,9.856654,89.655746,82.586433

19.4799099,1.262214,9.795618,0.104686,9.877159,89.392723,82.657616

19.4823780,1.267000,9.788439,0.116650,9.870787,89.322876,82.624733

19.4848480,1.223929,9.769297,0.114257,9.846330,89.335121,82.859009

19.4873142,1.221536,9.735797,0.128614,9.812973,89.249031,82.848557

19.4897823,1.202393,9.719048,0.109472,9.793754,89.359550,82.947479

19.4922504,1.195215,9.719048,0.083151,9.792616,89.513489,82.989166

19.4947205,1.185644,9.709476,0.037687,9.781672,89.779251,83.037964

19.4971867,1.185644,9.704690,-0.005384,9.776850,90.031548,83.034561

19.4996567,1.171287,9.721440,-0.034098,9.791806,90.199516,83.129837

19.5021248,1.161715,9.740582,-0.062812,9.809815,90.366867,83.198715

19.5045929,1.161715,9.776475,-0.081954,9.845596,90.476929,83.223457

19.5070610,1.152144,9.807582,-0.072383,9.875289,90.419968,83.299896

19.5095310,1.149751,9.805189,-0.074776,9.872652,90.433968,83.312065

19.5119972,1.166501,9.788439,-0.058026,9.857871,90.337257,83.204041

19.5144653,1.156930,9.793225,-0.058026,9.861497,90.337135,83.262550

19.5169334,1.176072,9.776475,-0.065204,9.847176,90.379395,83.140503

19.5194016,1.185644,9.762118,-0.048455,9.833975,90.282310,83.075142

19.5218716,1.197608,9.742975,-0.029312,9.816348,90.171089,82.992348

19.5243397,1.238286,9.721440,-0.029312,9.800032,90.171371,82.740936

19.5268078,1.264607,9.711869,0.006580,9.793859,89.961502,82.581116

19.5292740,1.293321,9.707084,0.047258,9.792976,89.723503,82.410912

19.5317440,1.295713,9.690333,0.080758,9.776909,89.526726,82.384041

19.5342121,1.302892,9.671191,0.111864,9.759199,89.343231,82.327370

19.5366802,1.338784,9.654441,0.104686,9.747386,89.384636,82.105125

19.5391483,1.324427,9.644870,0.128614,9.736229,89.243111,82.181084

19.5416183,1.286142,9.668798,0.154935,9.755195,89.089973,82.423004

19.5440865,1.288535,9.637691,0.157328,9.724719,89.073021,82.384857

19.5465546,1.276571,9.649655,0.140578,9.734744,89.172569,82.463997

19.5490208,1.247857,9.697512,0.138186,9.778444,89.190292,82.667580

19.5514908,1.262214,9.659226,0.152542,9.742541,89.102859,82.555092

19.5539589,1.257428,9.680762,0.145364,9.763166,89.146889,82.599319

19.5564270,1.231107,9.711869,0.147757,9.790703,89.135284,82.775536

19.5588951,1.211965,9.721440,0.121436,9.797449,89.289825,82.893646

19.5613651,1.214357,9.742975,0.119043,9.819083,89.305351,82.895332

19.5638332,1.197608,9.764511,0.107079,9.838263,89.376389,83.007652

19.5663013,1.180858,9.776475,0.068794,9.847772,89.599747,83.112854

19.5687675,1.144966,9.790833,0.059222,9.857731,89.655785,83.329979

19.5712376,1.121037,9.788439,0.030508,9.852471,89.822578,83.466568

19.5737057,1.099502,9.769297,0.006580,9.830977,89.961647,83.578575

19.5761738,1.073181,9.752547,-0.074776,9.811702,90.436661,83.720375

19.5786419,1.092324,9.714262,-0.065204,9.775700,90.382172,83.584305

19.5811119,1.099502,9.716655,-0.086740,9.779050,90.508217,83.544075

19.5835800,1.130609,9.697512,-0.105882,9.763770,90.621353,83.350052

19.5860481,1.125823,9.707084,-0.093918,9.772603,90.550644,83.384422

19.5885162,1.156930,9.735797,-0.098704,9.804793,90.576797,83.223175

19.5909843,1.183251,9.728619,-0.065204,9.800529,90.381203,83.065414

19.5934525,1.202393,9.719048,-0.022134,9.793167,90.129494,82.947479

19.5959206,1.247857,9.697512,-0.046062,9.777576,90.269920,82.667580

19.5983887,1.252643,9.690333,-0.055633,9.771119,90.326225,82.634377

19.6008568,1.250250,9.680762,-0.079561,9.761486,90.466995,82.641106

19.6033268,1.276571,9.699904,-0.084347,9.783910,90.493950,82.502586

19.6057949,1.262214,9.719048,-0.067597,9.800900,90.395172,82.600403

19.6082630,1.269392,9.714262,-0.077169,9.797153,90.451302,82.555168

19.6107292,1.255036,9.723833,-0.062812,9.804692,90.367058,82.645607

19.6131992,1.240679,9.757333,-0.029312,9.835938,90.170746,82.753532

19.6156654,1.231107,9.766904,0.013759,9.844197,89.919922,82.815819

19.6181355,1.226322,9.776475,0.047258,9.853201,89.725197,82.850388

19.6206036,1.245464,9.774082,0.083151,9.853465,89.516495,82.738213

19.6230736,1.240679,9.771689,0.078365,9.850449,89.544182,82.764061

19.6255398,1.235893,9.788439,0.085543,9.866524,89.503235,82.803886

19.6280098,1.216750,9.764511,0.114257,9.840692,89.334740,82.897018

19.6304760,1.190429,9.762118,0.119043,9.835154,89.306488,83.047462

19.6329441,1.154537,9.747761,0.121436,9.816646,89.291214,83.245285

19.6354122,1.156930,9.740582,0.131007,9.809923,89.234818,83.226471

19.6378822,1.133002,9.731011,0.135793,9.797689,89.205872,83.358841

19.6403503,1.123430,9.733404,0.159721,9.799325,89.066086,83.416054

19.6428185,1.116252,9.740582,0.157328,9.805596,89.080666,83.462532

19.6452866,1.089931,9.731011,0.183649,9.793583,88.925529,83.609169

19.6477566,1.097109,9.719048,0.214756,9.783132,88.742165,83.559578

19.6502228,1.113859,9.711869,0.190828,9.777397,88.881676,83.457306

19.6526909,1.097109,9.673584,0.152542,9.736794,89.102333,83.529564

19.6551590,1.085145,9.704690,0.138186,9.766148,89.189270,83.619881

19.6576271,1.094716,9.697512,0.123829,9.759891,89.273041,83.559357

19.6600971,1.085145,9.685548,0.114257,9.746817,89.328331,83.607376

19.6625652,1.068395,9.723833,0.121436,9.783106,89.288780,83.729843

19.6650333,1.070788,9.733404,0.138186,9.793101,89.191498,83.722038

19.6675014,1.039681,9.762118,0.164507,9.818705,89.040001,83.920822

19.6699696,1.032503,9.764511,0.162114,9.820287,89.054115,83.963951

19.6724377,1.037289,9.764511,0.121436,9.820204,89.291466,83.936180

19.6749058,1.006182,9.759726,0.116650,9.812148,89.318832,84.113869

19.6773739,1.006182,9.731011,0.123829,9.783676,89.274811,84.096626

19.6798439,0.994218,9.714262,0.097508,9.765493,89.427895,84.156342

19.6823120,0.982254,9.728619,0.061615,9.778274,89.638962,84.234650

19.6847801,0.987039,9.738190,0.054437,9.788235,89.681351,84.212402

19.6872482,0.975075,9.747761,0.049651,9.796534,89.709610,84.287666

19.6897163,0.975075,9.771689,0.040080,9.820300,89.766159,84.301559

19.6921844,0.984646,9.783653,0.059222,9.833255,89.654922,84.252991

19.6946526,0.960718,9.795618,0.078365,9.842929,89.543831,84.398552

19.6971207,0.963111,9.800404,0.080758,9.847945,89.530144,84.387413

19.6995907,0.984646,9.807582,0.068794,9.857125,89.600128,84.266914

19.7020588,0.987039,9.829117,0.018544,9.878569,89.892441,84.265587

19.7045269,1.027717,9.841082,0.016152,9.894612,89.906471,84.038132

19.7069950,1.025324,9.838689,0.006580,9.891973,89.961884,84.050484

19.7094631,1.056431,9.841082,0.011366,9.897629,89.934204,83.872818

19.7119312,1.082752,9.809975,0.016152,9.869560,89.906235,83.701607

19.7143993,1.077967,9.824331,0.052044,9.883430,89.698296,83.738319

19.7168674,1.116252,9.776475,0.030508,9.840041,89.822357,83.486328

19.7193375,1.116252,9.740582,0.006580,9.804337,89.961548,83.462532

19.7218056,1.123430,9.747761,-0.012562,9.812293,90.073357,83.425659

19.7242737,1.104288,9.742975,-0.053240,9.805501,90.311096,83.533585

19.7267418,1.147358,9.740582,-0.069990,9.808174,90.408859,83.281998

19.7292099,1.168894,9.735797,-0.055633,9.805873,90.325066,83.153755

19.7316780,1.152144,9.747761,-0.046062,9.815722,90.268867,83.259155

19.7341461,1.166501,9.747761,-0.007777,9.817312,90.045387,83.175941

19.7366142,1.200001,9.752547,0.020937,9.826118,89.877914,82.985306

19.7390823,1.231107,9.742975,0.018544,9.820465,89.891808,82.798363

19.7415524,1.259821,9.714262,-0.014955,9.795625,90.087471,82.610680

19.7440186,1.264607,9.699904,-0.036491,9.782061,90.213737,82.572067

19.7464886,1.302892,9.738190,-0.024526,9.824992,90.143028,82.379539

19.7489548,1.302892,9.735797,-0.026919,9.822627,90.157021,82.377686

19.7514248,1.350748,9.721440,-0.053240,9.814977,90.310799,82.089668

19.7538910,1.367498,9.716655,-0.038883,9.812490,90.227043,81.988945

19.7563610,1.369891,9.704690,-0.043669,9.800996,90.255287,81.965347

19.7588291,1.331606,9.704690,-0.029312,9.795665,90.171448,82.187088

19.7612991,1.322034,9.726226,-0.010169,9.815669,90.059364,82.259521

19.7637653,1.302892,9.721440,0.006580,9.808362,89.961563,82.366562

19.7662354,1.271785,9.723833,0.006580,9.806652,89.961555,82.548553

19.7687016,1.257428,9.716655,0.040080,9.797761,89.765617,82.626358

19.7711697,1.233500,9.738190,0.064008,9.816209,89.626389,82.780998

19.7736378,1.221536,9.716655,0.042473,9.793229,89.751511,82.834610

19.7761078,1.180858,9.719048,0.066401,9.790747,89.611420,83.072556

19.7785759,1.190429,9.711869,0.059222,9.784735,89.653214,83.011848

19.7810440,1.173679,9.702297,0.075972,9.773325,89.554611,83.102486

19.7835121,1.152144,9.704690,0.061615,9.773037,89.638771,83.229515

19.7859802,1.152144,9.714262,0.078365,9.782661,89.541023,83.236122

19.7884483,1.144966,9.714262,0.068794,9.781747,89.597046,83.277878

19.7909164,1.128216,9.738190,0.087936,9.803721,89.486069,83.391472

19.7933846,1.106681,9.764511,0.078365,9.827337,89.543106,83.533859

19.7958527,1.089931,9.798011,0.073579,9.858721,89.572380,83.652512

19.7983227,1.101895,9.812367,0.061615,9.874235,89.642471,83.592728

19.8007908,1.082752,9.833903,0.042473,9.893423,89.754028,83.716812

19.8032589,1.054038,9.824331,0.071186,9.880969,89.587212,83.876244

19.8057270,1.056431,9.831510,0.071186,9.888362,89.587524,83.866898

19.8081951,1.039681,9.807582,0.090329,9.862948,89.475250,83.948792

19.8106632,1.022932,9.807582,0.102293,9.861314,89.405647,84.045578

19.8131313,1.008575,9.800404,0.097508,9.852646,89.432961,84.124290

19.8155994,1.010968,9.774082,0.119043,9.826948,89.305908,84.094696

19.8180695,0.987039,9.740582,0.121436,9.791217,89.289368,84.213814

19.8205376,0.963111,9.709476,0.104686,9.757688,89.385284,84.335197

19.8230057,0.946361,9.723833,0.085543,9.770151,89.498337,84.441261

19.8254738,0.922433,9.726226,0.083151,9.770224,89.512375,84.582283

19.8279438,0.939183,9.714262,0.056830,9.759723,89.666374,84.477760

19.8304100,0.958325,9.697512,0.047258,9.744864,89.722137,84.356255

19.8328781,0.946361,9.731011,0.071186,9.777180,89.582832,84.445335

19.8353462,0.912862,9.723833,0.078365,9.766903,89.540283,84.636856

19.8378162,0.908076,9.728619,0.047258,9.771021,89.722885,84.667419

19.8402843,0.900898,9.711869,-0.010169,9.753570,90.059738,84.700264

19.8427525,0.920040,9.747761,-0.005384,9.791085,90.031502,84.608124

19.8452206,0.893719,9.776475,-0.017348,9.817255,90.101250,84.776810

19.8476906,0.905683,9.809975,-0.005384,9.851695,90.031311,84.725250

19.8501568,0.960718,9.829117,-0.012562,9.875964,90.072884,84.417526

19.8526249,0.999003,9.836296,-0.005384,9.886899,90.031197,84.200752

19.8550930,1.051646,9.819546,-0.024526,9.875730,90.142296,83.887085

19.8575630,1.068395,9.795618,-0.010169,9.853716,90.059135,83.775429

19.8600311,1.101895,9.764511,0.006580,9.826489,89.961632,83.561584

19.8624992,1.101895,9.762118,0.013759,9.824120,89.919754,83.560020

19.8649673,1.118645,9.742975,0.030508,9.807032,89.821762,83.450233

19.8674335,1.144966,9.731011,0.047258,9.798253,89.723656,83.289345

19.8699036,1.149751,9.728619,0.049651,9.796449,89.709610,83.259911

19.8723717,1.183251,9.685548,0.011366,9.757564,89.933258,83.034882

19.8748398,1.219143,9.647263,-0.005384,9.723991,90.031723,82.797600

19.8773079,1.216750,9.632906,-0.069990,9.709700,90.413010,82.800987

19.8797779,1.228714,9.616156,-0.079561,9.694665,90.470215,82.718430

19.8822441,1.233500,9.647263,-0.084347,9.726167,90.496887,82.713692

19.8847141,1.211965,9.683155,-0.096311,9.759181,90.565445,82.865837

19.8871803,1.207179,9.704690,-0.105882,9.780056,90.620316,82.909325

19.8896503,1.231107,9.750154,-0.079561,9.827892,90.463844,82.803604

19.8921165,1.188036,9.807582,-0.101097,9.879793,90.586296,83.093155

19.8945866,1.168894,9.836296,-0.079561,9.905825,90.460190,83.223053

19.8970547,1.190429,9.831510,-0.086740,9.903698,90.501823,83.096062

19.8995228,1.209572,9.843474,-0.058026,9.917683,90.335228,82.994583

19.9019909,1.231107,9.829117,-0.019741,9.905935,90.114182,82.860825

19.9044609,1.252643,9.817153,0.042473,9.896838,89.754112,82.728500

19.9069290,1.264607,9.759726,0.116650,9.842006,89.320900,82.617088

19.9093952,1.250250,9.697512,0.159721,9.779078,89.064148,82.653679

19.9118633,1.204786,9.716655,0.181256,9.792739,88.939438,82.931862

19.9143314,1.176072,9.733404,0.238684,9.807103,88.605408,83.110435

19.9168015,1.178465,9.742975,0.257827,9.817373,88.495110,83.103271

19.9192696,1.235893,9.733404,0.236291,9.814399,88.620415,82.763626

19.9217377,1.228714,9.740582,0.195613,9.819722,88.858566,82.810463

19.9242058,1.264607,9.664013,0.126221,9.747220,89.258026,82.544792

19.9266758,1.269392,9.673584,0.095115,9.756979,89.441452,82.524216

19.9291420,1.211965,9.702297,0.114257,9.778368,89.330498,82.879768

19.9316101,1.188036,9.747761,0.090329,9.820307,89.472977,83.051186

19.9340782,1.166501,9.776475,0.052044,9.845959,89.697144,83.195801

19.9365482,1.178465,9.762118,0.032901,9.833047,89.808289,83.116669

19.9390163,1.219143,9.740582,-0.019741,9.816601,90.115219,82.865891

19.9414845,1.231107,9.733404,-0.067597,9.811185,90.394760,82.791351

19.9439526,1.278964,9.711869,-0.079561,9.796044,90.465347,82.497841

19.9464226,1.357927,9.680762,-0.117847,9.776247,90.690681,82.015182

19.9488888,1.389034,9.716655,-0.105882,9.816008,90.618042,81.864464

19.9513569,1.357927,9.742975,-0.081954,9.837492,90.477325,82.065514

19.9538250,1.333999,9.778868,-0.050847,9.869569,90.295189,82.231865

19.9562950,1.264607,9.841082,-0.048455,9.922120,90.279808,82.677460

19.9587631,1.147358,9.879367,-0.074776,9.946050,90.430763,83.375526

19.9612312,1.027717,9.943973,-0.108275,9.997526,90.620537,84.099388

19.9636993,0.922433,9.977472,-0.093918,10.020462,90.537018,84.717926

19.9661694,0.838684,9.984651,-0.115454,10.020477,90.660164,85.198578

19.9686356,0.814756,9.941580,-0.074776,9.975190,90.429504,85.314827

19.9711037,0.786042,9.898509,-0.074776,9.929952,90.431458,85.459663

19.9735718,0.819542,9.824331,-0.050847,9.858586,90.295517,85.231453

19.9760418,0.886541,9.757333,-0.038883,9.797603,90.227386,84.808418

19.9785099,0.943969,9.685548,-0.007777,9.731442,90.045784,84.433441

19.9809780,1.015753,9.647263,-0.031705,9.700641,90.187263,83.989517

19.9834461,1.113859,9.628120,-0.012562,9.692345,90.074265,83.400894

19.9859161,1.156930,9.594621,-0.034098,9.664181,90.202156,83.124405

19.9883823,1.238286,9.561121,-0.041276,9.641062,90.245300,82.620552

19.9908504,1.329213,9.573085,-0.026919,9.664962,90.159584,82.095078

19.9933186,1.389034,9.587442,-0.029312,9.687586,90.173363,81.756317

19.9957867,1.408176,9.597013,-0.055633,9.699935,90.328613,81.652519

19.9982567,1.482354,9.604192,-0.065204,9.718134,90.384430,81.225952

20.0007248,1.484746,9.628120,-0.086740,9.742315,90.510132,81.233505

20.0031929,1.479961,9.652048,-0.101097,9.765374,90.593170,81.282661

20.0056610,1.456033,9.675977,-0.089133,9.785321,90.521904,81.442390

20.0081291,1.420140,9.695119,-0.110668,9.799203,90.647087,81.666580

20.0105953,1.415355,9.711869,-0.062812,9.814661,90.366684,81.708397

20.0130653,1.348356,9.750154,-0.058026,9.843117,90.337769,82.126465

20.0155334,1.278964,9.762118,-0.048455,9.845662,90.281975,82.536026

20.0180035,1.216750,9.786046,-0.029312,9.861442,90.170303,82.912491

20.0204697,1.154537,9.798011,-0.007777,9.865801,90.045166,83.279610

20.0229397,1.121037,9.807582,0.001795,9.871443,89.989586,83.479210

20.0254078,1.068395,9.843474,0.016152,9.901299,89.906532,83.805458

20.0278740,1.068395,9.843474,0.025723,9.901320,89.851151,83.805458

20.0303421,1.051646,9.855438,0.035294,9.911451,89.795975,83.909180

20.0328121,1.042074,9.819546,0.052044,9.874822,89.698029,83.942307

20.0352802,1.030110,9.826724,0.054437,9.880718,89.684334,84.015686

20.0377483,1.046860,9.814760,0.049651,9.870558,89.711792,83.911751

20.0402164,1.020539,9.805189,0.054437,9.858306,89.683617,84.057961

20.0426865,1.051646,9.790833,0.080758,9.847481,89.530121,83.869293

20.0451546,1.042074,9.783653,0.116650,9.839685,89.320740,83.920250

20.0476208,1.054038,9.795618,0.102293,9.852695,89.405128,83.858429

20.0500889,1.063610,9.814760,0.083151,9.872573,89.517426,83.815086

20.0525570,1.063610,9.836296,0.107079,9.894213,89.379913,83.828522

20.0550270,1.116252,9.841082,0.071186,9.904442,89.588196,83.528725

20.0574951,1.123430,9.819546,0.030508,9.883648,89.823143,83.473305

20.0599632,1.128216,9.795618,0.011366,9.860382,89.933952,83.429878

20.0624313,1.149751,9.781260,-0.010169,9.848609,90.059166,83.295853

20.0649014,1.152144,9.733404,0.006580,9.801359,89.961533,83.249306

20.0673676,1.161715,9.695119,0.052044,9.764610,89.694618,83.167122

20.0698357,1.144966,9.640084,0.085543,9.708218,89.495132,83.226639

20.0723038,1.149751,9.625728,0.104686,9.694716,89.381294,83.188538

20.0747738,1.154537,9.582657,0.126221,9.652782,89.250771,83.130005

20.0772419,1.149751,9.570692,0.075972,9.639806,89.548439,83.149742

20.0797100,1.142573,9.587442,0.006580,9.655287,89.960953,83.203896

20.0821781,1.164108,9.587442,-0.043669,9.657956,90.259064,83.077026

20.0846481,1.188036,9.620942,-0.086740,9.694405,90.512657,82.960503

20.0871143,1.185644,9.640084,-0.093918,9.713177,90.554008,82.988350

20.0895824,1.183251,9.692726,-0.093918,9.765134,90.551064,83.039986

20.0920506,1.166501,9.707084,-0.060419,9.777108,90.354065,83.147621

20.0945206,1.166501,9.752547,-0.036491,9.822130,90.212860,83.179260

20.0969887,1.118645,9.766904,-0.022134,9.830782,90.128998,83.466148

20.0994568,1.082752,9.771689,0.011366,9.831500,89.933762,83.677132

20.1019249,1.042074,9.807582,-0.034098,9.862846,90.198082,83.934967

20.1043949,1.003789,9.807582,-0.060419,9.859001,90.351128,84.156227

20.1068611,0.994218,9.805189,-0.058026,9.855637,90.337334,84.210159

20.1093292,0.979861,9.809975,-0.036491,9.858857,90.212067,84.295982

20.1117973,1.001396,9.805189,0.013759,9.856202,89.920021,84.168648

20.1142673,1.006182,9.805189,0.030508,9.856727,89.822655,84.140968

20.1167355,1.049253,9.836296,0.085543,9.892470,89.504539,83.911194

20.1192036,1.049253,9.843474,0.099900,9.899742,89.421806,83.915604

20.1216717,1.089931,9.821939,0.085543,9.882598,89.504044,83.667854

20.1241417,1.085145,9.831510,0.073579,9.891488,89.573792,83.701515

20.1266079,1.092324,9.829117,0.054437,9.889775,89.684624,83.658661

20.1290760,1.118645,9.819546,0.020937,9.883080,89.878616,83.500870

20.1315441,1.121037,9.812367,0.011366,9.876204,89.934059,83.482368

20.1340122,1.133002,9.826724,-0.014955,9.891836,90.086624,83.422951

20.1364822,1.171287,9.798011,-0.031705,9.867823,90.184090,83.183022

20.1389484,1.200001,9.776475,-0.022134,9.849871,90.128746,83.002304

20.1414185,1.233500,9.774082,-0.034098,9.851668,90.198311,82.807236

20.1438866,1.216750,9.757333,-0.072383,9.833172,90.421761,82.891846

20.1463566,1.257428,9.716655,-0.046062,9.797787,90.269363,82.626358

20.1488209,1.281357,9.711869,-0.062812,9.796235,90.367371,82.483971

20.1512909,1.288535,9.709476,-0.046062,9.794712,90.269447,82.440506

20.1537590,1.317249,9.716655,-0.050847,9.805668,90.297112,82.279701

20.1562290,1.286142,9.711869,-0.055633,9.796819,90.325363,82.456223

20.1586952,1.293321,9.685548,-0.012562,9.771523,90.073662,82.394234

20.1611652,1.288535,9.695119,-0.014955,9.780382,90.087608,82.429443

20.1636333,1.267000,9.685548,-0.002991,9.768066,90.017548,82.547264

20.1660995,1.250250,9.695119,0.013759,9.775411,89.919357,82.651886

20.1685677,1.264607,9.690333,0.020937,9.772524,89.877243,82.564812

20.1710377,1.233500,9.714262,0.018544,9.792280,89.891495,82.763412

20.1735058,1.204786,9.714262,0.011366,9.788693,89.933472,82.930138

20.1759739,1.209572,9.687941,0.016152,9.763171,89.905212,82.883255

20.1784420,1.204786,9.692726,0.035294,9.767379,89.792961,82.914589

20.1809101,1.166501,9.656834,0.023330,9.727060,89.862579,83.112305

20.1833801,1.140180,9.687941,0.001795,9.754805,89.989456,83.287697

20.1858463,1.116252,9.702297,-0.017348,9.766315,90.101776,83.436966

20.1883144,1.097109,9.709476,-0.029312,9.771307,90.171875,83.553284

20.1907825,1.068395,9.728619,-0.017348,9.787124,90.101555,83.732903

20.1932526,1.061217,9.766904,-0.014955,9.824399,90.087219,83.798889

20.1957207,1.042074,9.764511,-0.000598,9.819960,90.003487,83.908417

20.1981888,1.022932,9.788439,0.013759,9.841754,89.919899,84.034012

20.2006569,1.032503,9.809975,0.016152,9.864174,89.906181,83.991722

20.2031269,1.027717,9.824331,0.047258,9.878053,89.725883,84.028046

20.2055931,1.022932,9.829117,0.037687,9.882274,89.781494,84.058525

20.2080612,1.032503,9.848260,0.052044,9.902373,89.698868,84.014908

20.2105293,1.049253,9.848260,0.075972,9.904288,89.560501,83.918541

20.2129993,1.049253,9.860224,0.049651,9.916018,89.713112,83.925858

20.2154675,1.063610,9.860224,0.047258,9.917536,89.726974,83.843384

20.2179356,1.077967,9.853045,0.023330,9.911864,89.865143,83.756424

20.2204037,1.104288,9.819546,0.032901,9.881498,89.809227,83.583580

20.2228737,1.104288,9.798011,0.013759,9.860054,89.920052,83.569595

20.2253418,1.128216,9.781260,-0.019741,9.846132,90.114876,83.420319

20.2278080,1.128216,9.762118,-0.022134,9.827122,90.129044,83.407524

20.2302761,1.147358,9.740582,-0.034098,9.807983,90.199188,83.281998

20.2327461,1.171287,9.721440,-0.038883,9.791824,90.227524,83.129837

20.2352142,1.209572,9.697512,-0.050847,9.772788,90.298111,82.890205

20.2376823,1.221536,9.704690,-0.079561,9.781590,90.466034,82.825867

20.2401505,1.233500,9.671191,-0.053240,9.749681,90.312881,82.731522

20.2426205,1.228714,9.661619,-0.041276,9.739524,90.242821,82.752327

20.2450886,1.238286,9.656834,-0.026919,9.735939,90.158417,82.692894

20.2475548,1.271785,9.652048,-0.031705,9.735527,90.186592,82.493759

20.2500229,1.286142,9.640084,-0.019741,9.725521,90.116295,82.400696

20.2524929,1.288535,9.661619,-0.007777,9.747168,90.045715,82.403496

20.2549610,1.298106,9.666406,0.011366,9.753184,89.933228,82.351479

20.2574291,1.305285,9.678370,-0.043669,9.766089,90.256195,82.319084

20.2598972,1.288535,9.726226,-0.043669,9.811305,90.255020,82.453377

20.2623653,1.271785,9.757333,-0.058026,9.840038,90.337868,82.573845

20.2648354,1.257428,9.793225,-0.089133,9.874023,90.517212,82.683380

20.2673016,1.223929,9.819546,-0.103490,9.896070,90.599190,82.895172

20.2697697,1.228714,9.831510,-0.113061,9.908638,90.653778,82.876274

20.2722378,1.176072,9.848260,-0.098704,9.918725,90.570175,83.190025

20.2747078,1.156930,9.857831,-0.096311,9.925956,90.555946,83.306305

20.2771740,1.135394,9.845867,-0.067597,9.911346,90.390770,83.421890

20.2796440,1.106681,9.833903,-0.046062,9.896086,90.266685,83.579109

20.2821121,1.097109,9.807582,-0.038883,9.868831,90.225746,83.617233

20.2845821,1.077967,9.800404,-0.036491,9.859577,90.212051,83.723152

20.2870464,1.097109,9.781260,-0.031705,9.842648,90.184563,83.600204

20.2895164,1.101895,9.759726,-0.026919,9.821769,90.157036,83.558456

20.2919846,1.113859,9.762118,-0.034098,9.825518,90.198837,83.490692

20.2944527,1.161715,9.752547,0.004187,9.821496,89.975571,83.206985

20.2969208,1.200001,9.762118,0.008973,9.835601,89.947731,82.992119

20.2993908,1.195215,9.764511,0.044865,9.837491,89.738693,83.021484

20.3018589,1.207179,9.750154,0.035294,9.824665,89.794167,82.942055

20.3043270,1.240679,9.754940,0.016152,9.833534,89.905891,82.751770

20.3067932,1.250250,9.757333,-0.010169,9.837112,90.059235,82.698227

20.3092613,1.262214,9.754940,-0.010169,9.836267,90.059235,82.627335

20.3117313,1.240679,9.740582,-0.014955,9.819289,90.087265,82.741203

20.3141994,1.247857,9.742975,-0.012562,9.822570,90.073280,82.701431

20.3166676,1.247857,9.747761,0.023330,9.827335,89.863983,82.704971

20.3191357,1.228714,9.783653,0.032901,9.860562,89.808823,82.841782

20.3216057,1.202393,9.759726,0.018544,9.833531,89.891953,82.976578

20.3240738,1.207179,9.754940,0.018544,9.829369,89.891907,82.945480

20.3265400,1.180858,9.738190,0.013759,9.809534,89.919640,83.086037

20.3290081,1.140180,9.759726,0.011366,9.826107,89.933723,83.336624

20.3314781,1.087538,9.781260,-0.012562,9.841542,90.073135,83.655579

20.3339462,1.044467,9.771689,-0.000598,9.827351,90.003487,83.898987

20.3364143,0.982254,9.793225,-0.014955,9.842373,90.087059,84.272430

20.3388824,0.963111,9.800404,-0.010169,9.847619,90.059166,84.387413

20.3413525,0.915255,9.783653,-0.024526,9.826402,90.143005,84.655571

20.3438206,0.896112,9.781260,-0.031705,9.822275,90.184944,84.765450

20.3462868,0.896112,9.771689,-0.034098,9.812752,90.199097,84.760353

20.3487549,0.917647,9.754940,-0.017348,9.798021,90.101448,84.625999

20.3512249,0.922433,9.754940,0.004187,9.798456,89.975517,84.598137

20.3536930,0.939183,9.719048,0.042473,9.764413,89.750778,84.480461

20.3561611,0.991825,9.721440,0.025723,9.771938,89.849182,84.174583

20.3586292,1.039681,9.695119,0.047258,9.750821,89.722313,83.879128

20.3610992,1.094716,9.687941,0.061615,9.749789,89.637909,83.553047

20.3635674,1.152144,9.513265,0.109472,9.583404,89.345497,83.094582

20.3660336,1.149751,9.307482,0.162114,9.379628,89.009674,82.957939

20.3685017,1.121037,9.120842,0.212363,9.191930,88.676163,82.992950

20.3709717,1.068395,9.099306,0.217149,9.164388,88.642258,83.303276

20.3734398,0.994218,9.108877,0.188435,9.164912,88.821892,83.770927

20.3759079,0.999003,9.173484,0.147757,9.228903,89.082642,83.784912

20.3783760,0.932004,9.319446,0.111864,9.366601,89.315704,84.289040

20.3808460,0.970290,9.290732,0.138186,9.342284,89.152481,84.037857

20.3833141,1.013360,9.544372,-0.182453,9.599751,91.089027,83.939407

20.3857803,1.003789,10.001400,-0.287737,10.055764,91.639694,84.268707

20.3882484,1.032503,10.274182,-0.203988,10.327948,91.131729,84.261330

20.3907185,1.025324,10.422537,-0.175274,10.474316,90.958817,84.381561

20.3931866,1.089931,10.513465,-0.192024,10.571554,91.040787,84.081291

20.3956547,1.113859,10.501500,-0.170489,10.561783,90.924911,83.945465

20.3981228,1.164108,10.393824,-0.113061,10.459421,90.619347,83.609505

20.4005909,1.190429,10.276575,-0.074776,10.345565,90.414124,83.392357

20.4030609,1.164108,10.137792,-0.007777,10.204412,90.043663,83.449501

20.4055252,1.101895,10.034900,0.020937,10.095238,89.881172,83.733673

20.4079952,1.061217,9.932009,0.040080,9.988623,89.770096,83.901192

20.4104633,1.006182,9.862617,0.004187,9.913810,89.975800,84.174850