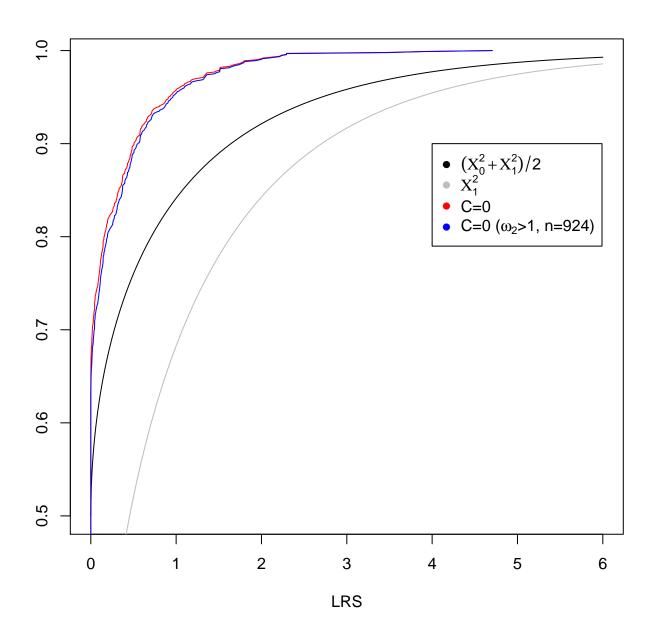
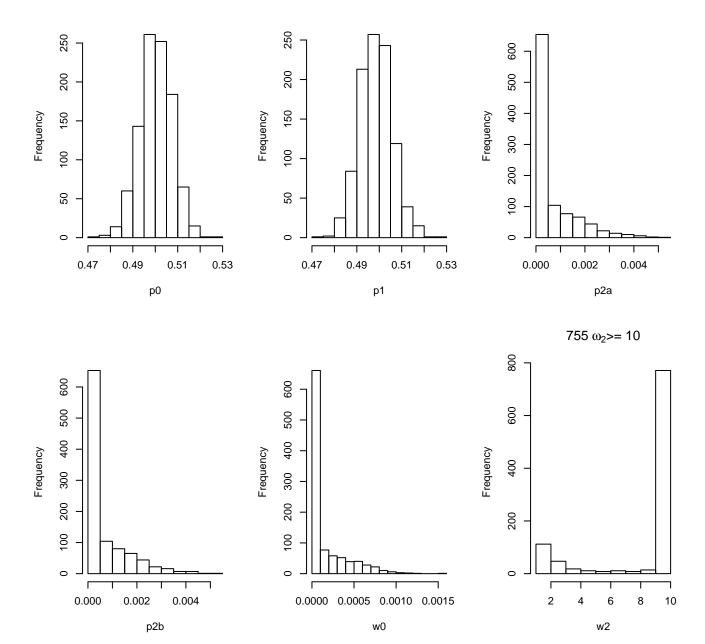
- Simulation under the null for branch-site model A
- Symmetric (ignoring branch lengths), 8-taxon tree with one foreground branch The total tree length is 6 (3 in other sims) and the foreground branch is 10x the length of the background branches.

tree: (((A#1:2.6087,B:0.26087):0.26087,(C:0.26087,D:0.26087):0.26087):0.26087, ((E:0.26087,F:0.26087):0.26087,(G:0.26087,H:0.26087):0.26087):0.26087);

• $\kappa = 2.0 \ p_0 = 0.5 \ p_1 = 0.5 \ \omega_0 = 0$





```
sort (lrt0)
          -2.063474e+00 -1.859498e+00 -1.856714e+00 -1.162714e+00 -1.098460e+00
    [1]
    [6]
          -9.815880 \, \mathrm{e}{-01} \ -9.346020 \, \mathrm{e}{-01} \ -8.952120 \, \mathrm{e}{-01} \ -8.493040 \, \mathrm{e}{-01} \ -8.076140 \, \mathrm{e}{-01}
   111
          -8.051600e-01 -7.864480e-01 -7.818100e-01 -7.740920e-01 -6.264380e-01
   [16]
          -5.944820\,\mathrm{e}{-01} \ -5.435340\,\mathrm{e}{-01} \ -5.276660\,\mathrm{e}{-01} \ -5.126460\,\mathrm{e}{-01} \ -5.052120\,\mathrm{e}{-01}
   [21]
          -4.825460e-01 -4.818800e-01 -4.816840e-01 -4.743980e-01 -4.649020e-01
          -4.556680e-01 -4.306300e-01 -4.231420e-01 -4.022940e-01 -3.967780e-01
   [26]
   31
          -3.945780e-01 -3.766060e-01 -3.545960e-01 -3.476920e-01 -3.235540e-01
          -3.023840\,\mathrm{e}{-01} \quad -2.971800\,\mathrm{e}{-01} \quad -2.872700\,\mathrm{e}{-01} \quad -2.867760\,\mathrm{e}{-01} \quad -2.839780\,\mathrm{e}{-01}
   |36|
   [41]
          -2.823060\,\mathrm{e}{-01} \quad -2.748940\,\mathrm{e}{-01} \quad -2.716680\,\mathrm{e}{-01} \quad -2.622980\,\mathrm{e}{-01} \quad -2.384320\,\mathrm{e}{-01}
   |46|
          -2.374360e-01 -2.324040e-01 -2.223520e-01 -2.213180e-01 -2.203420e-01
   51
          -2.093220e-01 -2.019100e-01 -1.945140e-01 -1.740420e-01 -1.728900e-01
          -1.702300e-01 -1.664020e-01 -1.660820e-01 -1.644360e-01 -1.592300e-01
   56
          -1.540200e-01 -1.465380e-01 -1.393960e-01 -1.370740e-01 -1.341000e-01
   | 61|
   [66]
          -1.302700e-01 -1.232140e-01 -1.229260e-01 -1.164680e-01 -1.147480e-01
   71
          -1.076720\,\mathrm{e}{-01} \quad -1.020200\,\mathrm{e}{-01} \quad -9.362800\,\mathrm{e}{-02} \quad -8.968800\,\mathrm{e}{-02} \quad -8.853800\,\mathrm{e}{-02}
   |76|
          -8.779600\,\mathrm{e}{-02} \quad -8.682600\,\mathrm{e}{-02} \quad -7.293400\,\mathrm{e}{-02} \quad -7.288400\,\mathrm{e}{-02} \quad -7.222400\,\mathrm{e}{-02}
   [81]
          -7.100400e-02 -6.942000e-02 -6.791000e-02 -5.856400e-02 -5.661200e-02
          -5.465200\,\mathrm{e}{-02} \ -5.232600\,\mathrm{e}{-02} \ -5.178800\,\mathrm{e}{-02} \ -4.916400\,\mathrm{e}{-02} \ -4.702400\,\mathrm{e}{-02}
   86
   [91]
          -4.441000\,\mathrm{e}{-02} \quad -4.344600\,\mathrm{e}{-02} \quad -4.028800\,\mathrm{e}{-02} \quad -3.943000\,\mathrm{e}{-02} \quad -3.927200\,\mathrm{e}{-02}
          -3.790000\,\mathrm{e} - 02 \quad -3.464600\,\mathrm{e} - 02 \quad -3.381200\,\mathrm{e} - 02 \quad -3.305400\,\mathrm{e} - 02 \quad -3.277800\,\mathrm{e} - 02
   [96]
          -3.091600e-02 -3.042600e-02 -2.958600e-02 -2.779800e-02 -2.556200e-02
 |101|
          -2.131600e-02 -2.086800e-02 -1.969000e-02 -1.801800e-02 -1.798800e-02
  106
  111
          -1.790600e-02 -1.683600e-02 -1.537400e-02 -1.513800e-02 -1.467600e-02
  1116
          -1.425600e-02 -1.390400e-02 -1.230200e-02 -1.223600e-02 -1.221400e-02
          -1.202400e-02 -1.180000e-02 -1.140200e-02 -1.080200e-02 -1.077400e-02
  121
  126
          -1.059000 \,\mathrm{e} - 02 \,\, -1.037600 \,\mathrm{e} - 02 \,\, -1.025800 \,\mathrm{e} - 02 \,\, -1.019800 \,\mathrm{e} - 02 \,\, -9.560000 \,\mathrm{e} - 03
          -9.012000\,\mathrm{e}{-03} \quad -8.826000\,\mathrm{e}{-03} \quad -8.650000\,\mathrm{e}{-03} \quad -8.626000\,\mathrm{e}{-03} \quad -8.556000\,\mathrm{e}{-03}
  131
  136]
          -8.420000 \,\mathrm{e}{-03} \quad -8.302000 \,\mathrm{e}{-03} \quad -8.170000 \,\mathrm{e}{-03} \quad -8.144000 \,\mathrm{e}{-03} \quad -7.790000 \,\mathrm{e}{-03}
          -7.674000e-03 -7.554000e-03 -7.148000e-03 -7.112000e-03 -7.090000e-03
  141
  146
          -6.890000e-03 -6.668000e-03 -6.554000e-03 -6.526000e-03 -6.242000e-03
          -5.830000\,\mathrm{e} - 03 \ -5.826000\,\mathrm{e} - 03 \ -5.726000\,\mathrm{e} - 03 \ -5.662000\,\mathrm{e} - 03 \ -5.262000\,\mathrm{e} - 03
  151
          -5.208000 \,\mathrm{e} - 03 -5.094000 \,\mathrm{e} - 03 -5.018000 \,\mathrm{e} - 03 -4.878000 \,\mathrm{e} - 03 -4.730000 \,\mathrm{e} - 03
  1561
          -4.628000e-03 -4.498000e-03 -4.492000e-03 -4.450000e-03 -4.394000e-03
  161]
  1661
          -4.376000e-03 -4.322000e-03 -4.274000e-03 -4.244000e-03 -4.176000e-03
          -4.134000\,\mathrm{e}{-03} \quad -4.128000\,\mathrm{e}{-03} \quad -4.078000\,\mathrm{e}{-03} \quad -4.048000\,\mathrm{e}{-03} \quad -3.784000\,\mathrm{e}{-03}
  171
  176]
          -3.736000e-03 -3.668000e-03 -3.644000e-03 -3.518000e-03 -3.306000e-03
  181
          -3.258000e-03 -3.230000e-03 -3.158000e-03 -3.140000e-03 -3.066000e-03
          -3.054000e-03 -3.048000e-03 -2.870000e-03 -2.844000e-03 -2.812000e-03
  186
          -2.746000e - 03 \quad -2.736000e - 03 \quad -2.728000e - 03 \quad -2.722000e - 03 \quad -2.698000e - 03
  191
          -2.698000e-03 -2.682000e-03 -2.588000e-03 -2.542000e-03 -2.510000e-03
  196
  2011
          -2.476000\,\mathrm{e} - 03 \quad -2.442000\,\mathrm{e} - 03 \quad -2.352000\,\mathrm{e} - 03 \quad -2.342000\,\mathrm{e} - 03 \quad -2.330000\,\mathrm{e} - 03
  206
          -2.238000\,\mathrm{e}{-03} \quad -2.236000\,\mathrm{e}{-03} \quad -2.214000\,\mathrm{e}{-03} \quad -2.206000\,\mathrm{e}{-03} \quad -2.198000\,\mathrm{e}{-03}
  2111
          -2.182000e-03 -2.178000e-03 -2.160000e-03 -2.156000e-03 -2.148000e-03
          -2.098000\,\mathrm{e} - 03 \quad -2.070000\,\mathrm{e} - 03 \quad -2.056000\,\mathrm{e} - 03 \quad -2.050000\,\mathrm{e} - 03 \quad -2.046000\,\mathrm{e} - 03
  216]
  221
          -2.040000e-03 -2.040000e-03 -2.036000e-03 -2.034000e-03 -2.020000e-03
          -2.008000 \,\mathrm{e} - 03 \quad -1.950000 \,\mathrm{e} - 03 \quad -1.896000 \,\mathrm{e} - 03 \quad -1.886000 \,\mathrm{e} - 03 \quad -1.858000 \,\mathrm{e} - 03
  226
  [231]
          -1.846000e-03 -1.836000e-03 -1.832000e-03 -1.824000e-03 -1.754000e-03
          -1.716000e-03 -1.716000e-03 -1.678000e-03 -1.672000e-03 -1.672000e-03
  236
          -1.642000e-03 -1.624000e-03 -1.616000e-03 -1.604000e-03 -1.596000e-03
 |241|
```

```
2461
       -1.566000e-03 -1.560000e-03 -1.560000e-03 -1.534000e-03 -1.534000e-03
251
       -1.522000e-03 -1.510000e-03 -1.458000e-03 -1.450000e-03 -1.448000e-03
256]
       -1.448000e-03 -1.442000e-03 -1.440000e-03 -1.438000e-03 -1.420000e-03
       -1.420000e-03 -1.408000e-03 -1.404000e-03 -1.396000e-03 -1.394000e-03
261
       -1.358000e-03 -1.352000e-03 -1.346000e-03 -1.342000e-03 -1.340000e-03
2661
271
       -1.328000e-03 -1.308000e-03 -1.278000e-03 -1.268000e-03 -1.260000e-03
276]
       -1.230000e-03 -1.194000e-03 -1.182000e-03 -1.182000e-03 -1.178000e-03
       -1.172000e-03 -1.160000e-03 -1.160000e-03 -1.154000e-03 -1.150000e-03
281
       -1.148000\,\mathrm{e} - 03 \quad -1.146000\,\mathrm{e} - 03 \quad -1.140000\,\mathrm{e} - 03 \quad -1.136000\,\mathrm{e} - 03 \quad -1.132000\,\mathrm{e} - 03
286
       -1.116000e-03 -1.082000e-03 -1.076000e-03 -1.072000e-03 -1.060000e-03
291
[296]
       -1.046000e-03 -1.026000e-03 -1.024000e-03 -1.016000e-03 -9.960000e-04
3011
       -9.920000e-04 -9.780000e-04 -9.720000e-04 -9.640000e-04 -9.420000e-04
3061
       -9.380000e-04 -9.320000e-04 -9.020000e-04 -8.980000e-04 -8.980000e-04
311
        -8.780000\,\mathrm{e}{-04} \ -8.740000\,\mathrm{e}{-04} \ -8.640000\,\mathrm{e}{-04} \ -8.520000\,\mathrm{e}{-04} \ -8.280000\,\mathrm{e}{-04}
       -8.200000 \,\mathrm{e}{-04} \ -8.160000 \,\mathrm{e}{-04} \ -8.140000 \,\mathrm{e}{-04} \ -7.940000 \,\mathrm{e}{-04} \ -7.900000 \,\mathrm{e}{-04}
316]
        -7.880000e-04 -7.880000e-04 -7.820000e-04 -7.800000e-04 -7.720000e-04
321
        -7.320000\,\mathrm{e}{-04}\ -7.300000\,\mathrm{e}{-04}\ -7.240000\,\mathrm{e}{-04}\ -7.180000\,\mathrm{e}{-04}\ -7.140000\,\mathrm{e}{-04}
326
       -7.040000e-04 -6.980000e-04 -6.940000e-04 -6.900000e-04 -6.760000e-04
331
       -6.520000\,\mathrm{e}{-04}\ -6.400000\,\mathrm{e}{-04}\ -6.380000\,\mathrm{e}{-04}\ -6.340000\,\mathrm{e}{-04}\ -6.120000\,\mathrm{e}{-04}
336]
       -6.060000 \,\mathrm{e}{-04} \ -6.020000 \,\mathrm{e}{-04} \ -6.020000 \,\mathrm{e}{-04} \ -5.980000 \,\mathrm{e}{-04} \ -5.980000 \,\mathrm{e}{-04}
341
346
        -5.780000e-04 -5.740000e-04 -5.700000e-04 -5.620000e-04 -5.520000e-04
351
        -5.460000\,\mathrm{e}{-04} \ -5.420000\,\mathrm{e}{-04} \ -5.420000\,\mathrm{e}{-04} \ -5.400000\,\mathrm{e}{-04} \ -5.360000\,\mathrm{e}{-04}
       -5.240000e - 04 -5.060000e - 04 -5.060000e - 04 -4.940000e - 04 -4.920000e - 04
356]
        -4.920000e-04 -4.900000e-04 -4.880000e-04 -4.860000e-04 -4.840000e-04
361
       -4.800000e-04 -4.500000e-04 -4.480000e-04 -4.460000e-04 -4.420000e-04
366
       -4.420000e-04 -4.400000e-04 -4.400000e-04 -4.260000e-04 -4.180000e-04
3711
376]
       -4.080000\,\mathrm{e}{-04} \quad -3.820000\,\mathrm{e}{-04} \quad -3.800000\,\mathrm{e}{-04} \quad -3.700000\,\mathrm{e}{-04} \quad -3.640000\,\mathrm{e}{-04}
       -3.540000e-04 -3.360000e-04 -3.360000e-04 -3.260000e-04 -3.220000e-04
381
        -3.220000\,\mathrm{e}{-04} \ -3.140000\,\mathrm{e}{-04} \ -3.140000\,\mathrm{e}{-04} \ -3.100000\,\mathrm{e}{-04} \ -3.000000\,\mathrm{e}{-04}
3861
391]
       -2.940000e - 04 -2.880000e - 04 -2.880000e - 04 -2.840000e - 04 -2.720000e - 04
       -2.660000 e - 04 - 2.640000 e - 04 - 2.600000 e - 04 - 2.600000 e - 04 - 2.600000 e - 04
396]
       -2.580000e-04 -2.540000e-04 -2.520000e-04 -2.520000e-04 -2.360000e-04
401
        -2.300000\,\mathrm{e}{-04} \ -2.280000\,\mathrm{e}{-04} \ -2.120000\,\mathrm{e}{-04} \ -2.080000\,\mathrm{e}{-04} \ -2.000000\,\mathrm{e}{-04}
406
[411]
       -1.700000e-04 -1.660000e-04 -1.660000e-04 -1.620000e-04 -1.580000e-04
        -1.560000e-04 -1.560000e-04 -1.520000e-04 -1.400000e-04 -1.360000e-04
416]
        -1.340000\,\mathrm{e}{-04} \ -1.320000\,\mathrm{e}{-04} \ -1.320000\,\mathrm{e}{-04} \ -1.280000\,\mathrm{e}{-04} \ -1.240000\,\mathrm{e}{-04}
421
426]
        -1.200000e-04 -1.200000e-04 -1.200000e-04 -1.180000e-04 -1.140000e-04
       -1.120000e-04 -1.100000e-04 -1.100000e-04 -1.080000e-04 -1.040000e-04
431]
        -1.020000 \,\mathrm{e}{-04} \ -9.800002 \,\mathrm{e}{-05} \ -9.800002 \,\mathrm{e}{-05} \ -9.400002 \,\mathrm{e}{-05} \ -9.400002 \,\mathrm{e}{-05}
436
441
        -9.399999e-05 -9.399999e-05 -9.200000e-05 -9.200000e-05 -8.999999e-05
446]
        -8.600001e-05 -8.600001e-05 -7.799998e-05 -6.999998e-05 -5.800001e-05
       -5.799998e - 05 -5.400000e - 05 -5.400000e - 05 -5.200002e - 05 -5.199999e - 05
451
        -5.199999 \,\mathrm{e} - 05 \quad -4.600000 \,\mathrm{e} - 05 \quad -3.800000 \,\mathrm{e} - 05 \quad -3.600001 \,\mathrm{e} - 05 \quad -3.600001 \,\mathrm{e} - 05
456]
       -3.600001 \,\mathrm{e}{-05} \quad -3.200001 \,\mathrm{e}{-05} \quad -2.599999 \,\mathrm{e}{-05} \quad -2.400001 \,\mathrm{e}{-05} \quad -2.400001 \,\mathrm{e}{-05}
461
       -2.400001\,\mathrm{e} - 05 \quad -2.000001\,\mathrm{e} - 05 \quad -1.600001\,\mathrm{e} - 05 \quad -1.399999\,\mathrm{e} - 05 \quad -1.200000\,\mathrm{e} - 05
4661
       -1.200000 \,\mathrm{e} - 05 \quad -1.000002 \,\mathrm{e} - 05 \quad -8.000003 \,\mathrm{e} - 06 \quad -8.000003 \,\mathrm{e} - 06 \quad -5.999987 \,\mathrm{e} - 06 
471]
        -5.999987e-06 -5.999987e-06 -4.000001e-06 -4.000001e-06 -4.000001e-06
476
481
       -4.000001e - 06 -4.000001e - 06 -4.000001e - 06 -2.000015e - 06 -2.000015e - 06
       -2.000015e-06 -2.000015e-06 -2.000015e-06 -2.000015e-06 -2.000015e-06
486]
491
       -2.000015e-06 -2.000015e-06 -2.000015e-06 -2.000015e-06 -2.000015e-06
       -1.999986 \, \mathrm{e}{-06} \ -1.999986 \, \mathrm{e}{-06} \ -1.999986 \, \mathrm{e}{-06} \ -1.999986 \, \mathrm{e}{-06} \ -1.999986 \, \mathrm{e}{-06}
496]
       -1.999986e-06 -1.999986e-06 -1.999986e-06 -1.999986e-06 -1.999986e-06
|501|
```

[506]	-1.999986e-06	-1.999986e-06	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$
[511]	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$
[516]	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$
[521]	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$
[526]	0.0000000e+00	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	0.0000000e+00
[531]	0.0000000e+00	0.0000000e+00	$0.000000 \mathrm{e}{+00}$	$0.000000 \mathrm{e}{+00}$	0.0000000e+00
[536]	0.0000000e+00	0.0000000e+00	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$
[541]	0.0000000e+00	0.0000000e+00	0.0000000e+00	0.0000000e+00	0.0000000e+00
[546]	0.0000000e+00	0.0000000e+00	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$
[551]	0.0000000e+00	0.0000000e+00	0.0000000e+00	0.0000000e+00	0.0000000e+00
[556]	0.0000000e+00	0.0000000e+00	0.0000000e+00	0.0000000e+00	0.0000000e+00
[561]	0.00000000000000000000000000000000000	0.00000000+00	0.0000000e+00	0.0000000e+00	0.00000000000000000000000000000000000
[566]	0.000000000+00	0.00000000+00 0.00000000+00	0.00000000000000000000000000000000000	0.00000000+00	0.00000000000000000000000000000000000
[571]	0.00000000000000000000000000000000000	0.00000000+00 0.00000000+00	0.00000000000000000000000000000000000	0.00000000000000000000000000000000000	$0.0000000\mathrm{e}{+00}$
[576]	0.000000000+00 $0.00000000+00$	0.00000000+00 0.00000000+00	0.00000000000000000000000000000000000	0.00000000000000000000000000000000000	0.00000000000000000000000000000000000
[581]	0.00000000000000000000000000000000000	0.00000000000000000000000000000000000	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	0.00000000000000000000000000000000000
[586]	0.00000000000000000000000000000000000	0.00000000000000000000000000000000000	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	0.00000000000000000000000000000000000
[591]	0.00000000000000000000000000000000000	0.0000000e+00 0.000000e+00	$0.0000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00}$	0.00000000000000000000000000000000000
[596]	0.0000000e+00 0.0000000e+00	0.000000e+00 0.000000e+00	$0.000000\mathrm{e}{+00}$ $0.00000\mathrm{e}{+00}$	$0.000000\mathrm{e}{+00}$ $0.00000\mathrm{e}{+00}$	0.0000000e+00
[601]	0.0000000e+00	0.000000e+00 0.000000e+00	0.000000e+00 0.000000e+00	0.000000e+00 0.000000e+00	0.0000000e+00
[606]	0.0000000e+00 $0.000000e+00$	0.0000000e+00	0.000000e+00 0.000000e+00	0.000000e+00 0.000000e+00	$0.000000\mathrm{e}{+00}$ $0.00000\mathrm{e}{+00}$
			$0.0000000\mathrm{e}{+00}$	0.000000e+00 0.000000e+00	$0.000000\mathrm{e}{+00}$ $0.00000\mathrm{e}{+00}$
[611] $[616]$	$0.0000000\mathrm{e}{+00}\ 0.000000\mathrm{e}{+00}$	$0.0000000\mathrm{e}{+00} \ 0.000000\mathrm{e}{+00}$	0.000000e+00	$0.0000000\mathrm{e}{+00}$	$0.000000\mathrm{e}{+00}$ $0.00000\mathrm{e}{+00}$
. ,	0.000000e+00 $0.000000e+00$	0.0000000e+00	$0.0000000\mathrm{e}{+00}$	0.000000e+00 0.000000e+00	$0.000000\mathrm{e}{+00}$ $0.00000\mathrm{e}{+00}$
[621]	0.000000e+00 $0.000000e+00$		0.000000e+00 0.000000e+00		$1.999986\mathrm{e}{-06}$
[626]		$0.0000000 \mathrm{e} + 00$		1.999986e-06	
[631]	1.999986e-06	1.999986e-06	1.999986e-06	1.999986e-06	2.000015e-06
[636]	2.000015e-06	2.000015e-06	2.000015e-06	2.000015e-06	2.000015e-06
[641]	4.000001e-06 6.200001e-05	4.000001e-06 6.399999e-05	2.799998e-05 8.599999e-05	3.999998e-05 9.599997e-05	5.0000000e-05 1.120000e-04
[646]	1.600001e - 03	2.840000e-04	4.260000e-04	4.600000e-04	4.880000e-04
[651] $[656]$	5.0400000e-04	8.980000e-04	9.220000e-04	9.8200000e-04	1.116000e - 03
[661]	1.386000e-03	1.414000e-03	1.456000e-03	1.966000e-03	2.194000e-03
[666]	2.286000e-03	2.426000e-03	2.432000e-03	2.766000e - 03	2.194000e-03 2.850000e-03
[671]	3.254000e-03	3.482000e-03	3.826000e-03	4.038000e-03	4.0580000e-03
[676]	4.734000e-03	5.684000e-03	5.772000e-03	5.952000e-03	6.380000e-03
[681]	7.260000e-03	9.364000e-03	1.036000e-02	1.058200e-03	1.146600e-02
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[696]	1.631400e-02 $1.631400e-02$	$1.632800 \mathrm{e}{-02}$	1.430800e - 02 1.673000e - 02	1.821000e-02	1.843600e-02 $1.843600e-02$
[701]	1.879600e-02	1.931200e-02	1.960400e - 02	2.043600e-02	2.444200e-02
[706]	2.598800e-02	2.614000e-02	2.806400e-02	2.878200e-02	2.905400e-02
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