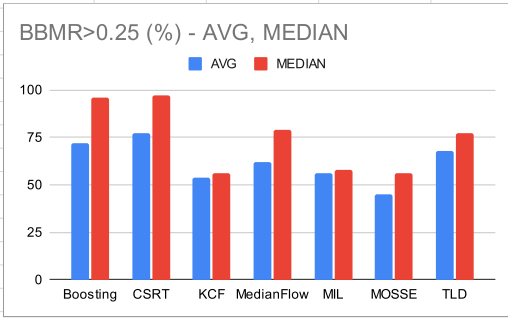
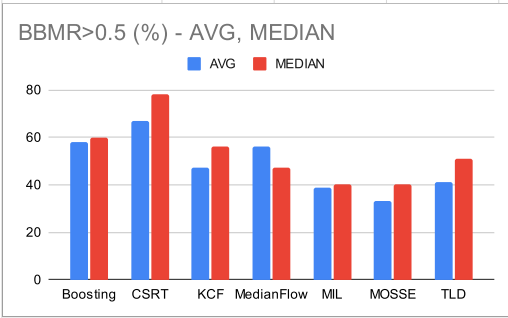
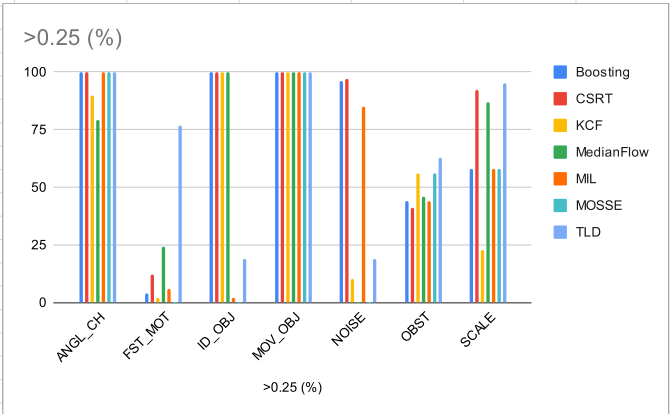
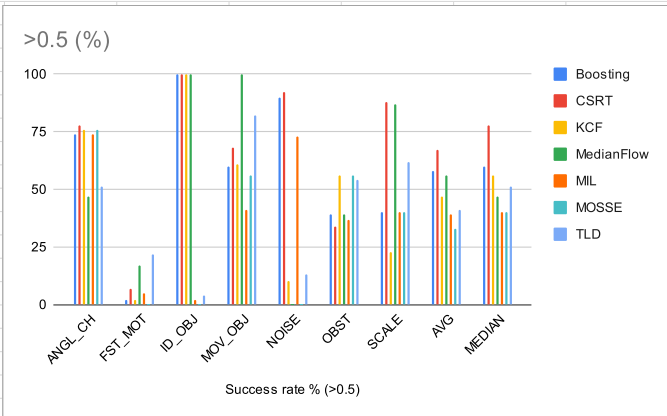


| Success rate % (>0.5) | Boosting | CSRT | KCF | MedianFlow | MIL | MOSSE | TLD |  |
|-----------------------|----------|------|-----|------------|-----|-------|-----|--|
| ANGL_CH               | 74       | 78   | 76  | 47         | 74  | 76    | 51  |  |
| FST_MOT               | 2        | 7    | 2   | 17         | 5   | 0     | 22  |  |
| ID_OBJ                | 100      | 100  | 100 | 100        | 2   | 0     | 4   |  |
| MOV_OBJ               | 60       | 68   | 61  | 100        | 41  | 56    | 82  |  |
| NOISE                 | 90       | 92   | 10  | 0          | 73  | 0     | 13  |  |
| OBST                  | 39       | 34   | 56  | 39         | 37  | 56    | 54  |  |
| SCALE                 | 40       | 88   | 23  | 87         | 40  | 40    | 62  |  |
|                       | Boosting | CSRT | KCF | MedianFlow | MIL | MOSSE | TLD |  |
| AVG                   | 58       | 67   | 47  | 56         | 39  | 33    | 41  |  |
| MEDIAN                | 60       | 78   | 56  | 47         | 40  | 40    | 51  |  |
| >0.25 (%)             | Boosting | CSRT | KCF | MedianFlow | MIL | MOSSE | TLD |  |
| ANGL_CH               | 100      | 100  | 90  | 79         | 100 | 100   | 100 |  |
| FST_MOT               | 4        | 12   | 2   | 24         | 6   | 0     | 77  |  |
| ID_OBJ                | 100      | 100  | 100 | 100        | 2   | 0     | 19  |  |
| MOV_OBJ               | 100      | 100  | 100 | 100        | 100 | 100   | 100 |  |
| NOISE                 | 96       | 97   | 10  | 0          | 85  | 0     | 19  |  |
| OBST                  | 44       | 41   | 56  | 46         | 44  | 56    | 63  |  |
| SCALE                 | 58       | 92   | 23  | 87         | 58  | 58    | 95  |  |
|                       | Boosting | CSRT | KCF | MedianFlow | MIL | MOSSE | TLD |  |
| AVG                   | 72       | 77   | 54  | 62         | 56  | 45    | 68  |  |
| MEDIAN                | 96       | 97   | 56  | 79         | 58  | 56    | 77  |  |



Bounding box match rate

| Boosting     | CSRT         | KCF          | MedianFlow   | MIL          | MOSSE        | TLD          |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.9360815192 | 0.914354067  | 1            | 0.9542909452 | 0.9130434783 | 0.9675925926 | 0.7689830892 |
| 0.9038420027 | 0.8735795455 | 0.9458207918 | 0.91010123   | 0.847032967  | 0.956043956  | 0.7548508448 |
| 0.8787079763 | 0.9151029748 | 0.9656217391 | 0.9243117846 | 0.82675      | 0.9484304933 | 0.7437808181 |
| 0.8392587904 | 0.8776946766 | 0.8776946766 | 0.8525672518 | 0.8392587804 | 0.928        | 0.6303629746 |
| 0.865747494  | 0.9274320377 | 0.9480157809 | 0.8810390759 | 0.865747944  | 0.9369042215 | 0.6318857114 |
| 0.8245836668 | 0.8866282165 | 0.9179004304 | 0.883502969  | 0.8578878748 | 0.9092068633 | 0.7052884573 |
| 0.763803696  | 0.8666241225 | 0.8679313043 | 0.8216603181 | 0.8260959638 | 0.8437170011 | 0.6551732293 |
| 0.8090306554 | 0.938697318  | 0.877473961  | 0.8767125019 | 0.8776835879 | 0.9098245992 | 0.6985181048 |
| 0.796258278  | 0.9062710722 | 0.8678271107 | 0.8535271107 | 0.8451957295 | 0.8796791444 | 0.7887308367 |
| 0.8270959649 | 0.8805681085 | 0.8805681085 | 0.8671109876 | 0.8777395989 | 0.8915636983 | 0.8017687784 |
| 0.7561388654 | 0.8293085655 | 0.8451957295 | 0.794709286  | 0.8070137225 | 0.8224238496 | 0.8613668798 |
| 0.8054665813 | 0.8632739635 | 0.8416467001 | 0.8294417304 | 0.8541666667 | 0.8713259308 | 0.8560351433 |
| 0.8247466216 | 0.9385079478 | 0.8786956522 | 0.8352960247 | 0.8410377111 | 0.9095455534 | 0.5963991254 |
| 0.8137688919 | 0.8710021322 | 0.8339026473 | 0.8031438385 | 0.8296059638 | 0.8635926993 | 0.5283958085 |
| 0.8327586207 | 0.8722058203 | 0.852319756  | 0.8263399291 | 0.8494997825 | 0.8813799108 | 0.5432215158 |
| 0.8467604494 | 0.8505392912 | 0.8142100618 | 0.7890185093 | 0.8823260073 | 0.8430681067 | 0.5313110778 |
| 0.835224936  | 0.8193325662 | 0.8402966651 | 0.7734411346 | 0.8520384792 | 0.8316633267 | 0.5166861374 |
| 0.8762653693 | 0.8378621154 | 0.8407557355 | 0.7799360857 | 0.8762035763 | 0.8328746009 | 0.5211479247 |
| 0.8044532628 | 0.7545551983 | 0.7741222997 | 0.7099754882 | 0.8044532628 | 0.7826552463 | 0.4002849694 |
| 0.8292134831 | 0.7961165049 | 0.7619047619 | 0.6955387302 | 0.7929515419 | 0.737209123  | 0.5704449494 |
| 0.8136176066 | 0.7975460123 | 0.7320293027 | 0.6726319247 | 0.765551314  | 0.7447177376 | 0.7349797773 |
| 0.8          | 0.7342995169 | 0.7522123994 | 0.6781796512 | 0.8          | 0.7284618854 | 0.5704263204 |
| 0.7696907927 | 0.8032292788 | 0.7660560583 | 0.6834289351 | 0.7813891362 | 0.7785058978 | 0.748201469  |
| 0.7865512367 | 0.8050231328 | 0.7378472232 | 0.6686720355 | 0.7685512367 | 0.7477477477 | 0.7537599125 |
| 0.7836072957 | 0.8192466697 | 0.7676857844 | 0.6777213428 | 0.7493374558 | 0.745371874  | 0.7020216163 |
| 0.7440212578 | 0.7770758123 | 0.7440212578 | 0.6568489861 | 0.7440212578 | 0.753472602  | 0.7133262607 |
| 0.7722777227 | 0.8080808081 | 0.712173913  | 0.6391104052 | 0.7722777227 | 0.7222043184 | 0.7644834568 |
| 0.769165247  | 0.7712220209 | 0.7373483898 | 0.6297329322 | 0.769165247  | 0.7124065112 | 0.7420465459 |
| 0.7405879592 | 0.772608383  | 0.7100705581 | 0.5952242106 | 0.7097050021 | 0.702323392  | 0.7644079403 |
| 0.712173913  | 0.7459389214 | 0.7136640557 | 0.5920630933 | 0.712173913  | 0.6783919598 | 0.751359087  |
| 0.772606383  | 0.8401600753 | 0.724540194  | 0.6059447849 | 0.772606383  | 0.730936935  | 0.8448922605 |
| 0.7243221035 | 0.785046729  | 0.702808489  | 0.6385905497 | 0.702808489  | 0.718139722  | 0.7954450678 |
| 0.745190252  | 0.8093971631 | 0.7602414834 | 0.6127378423 | 0.745190252  | 0.7219303408 | 0.8107024654 |
| 0.7196531792 | 0.7606007067 | 0.7313807718 | 0.5601360105 | 0.7496324302 | 0.6843386878 | 0.5779926386 |
| 0.7120351086 | 0.7730998814 | 0.7103625831 | 0.5778685859 | 0.7425136612 | 0.7150105708 | 0.6096025937 |
| 0.7291041577 | 0.7986935933 | 0.7433016422 | 0.5938361952 | 0.759951036  | 0.7491742142 | 0.6170146463 |
| 0.7486844004 | 0.7359690979 | 0.7468844004 | 0.5087033986 | 0.7468844004 | 0.7211238293 | 0.5685350888 |
| 0.7166666667 | 0.7526570048 | 0.7547927119 | 0.5657275814 | 0.7457729719 | 0.7348138472 | 0.6395695283 |
| 0.687013519  | 0.7186440686 | 0.6988488484 | 0.5068592729 | 0.7144046828 | 0.674865027  | 0.5989810815 |
| 0.6791480328 | 0.7390891841 | 0.7333333333 | 0.5361690955 | 0.7333333333 | 0.7228528593 | 0.5625795909 |
| 0.6797314855 | 0.7127166219 | 0.7067106711 | 0.5375646854 | 0.7067106711 | 0.712272333  | 0.6331469382 |
| 0.6748575505 | 0.7315914489 | 0.7016317408 | 0.5224851519 | 0.696262747  | 0.7063492063 | 0.6111741888 |
| 0.6098159509 | 0.6504339441 | 0.6579612466 | 0.4796587208 | 0.6579612466 | 0.6632758979 | 0.5615969225 |
| 0.602489706  | 0.6666666667 | 0.6506971993 | 0.478566715  | 0.6506971993 | 0.6691729323 | 0.6478289692 |
| 0.6204354043 | 0.6658440276 | 0.6763450043 | 0.461749243  | 0.6763450043 | 0.6660412758 | 0.576689606  |
| 0.6527688889 | 0.6825240325 | 0.6782457604 | 0.463737597  | 0.6782457604 | 0.6673728814 | 0.7466575713 |
| 0.6045729363 | 0.6508816121 | 0.652136007  | 0.4629760206 | 0.652136007  | 0.6566523605 | 0.6451187535 |
| 0.6036244549 | 0.657299357  | 0.6510829398 | 0.442940288  | 0.6510829398 | 0.6558935361 | 0.645282340  |
| 0.633361258  | 0.6400367309 | 0.633361558  | 0.4273174275 | 0.633361558  | 0.6380316931 | 0.4521271979 |
| 0.6415891801 | 0.6466729147 | 0.6415891801 | 0.4075460243 | 0.6415891801 | 0.6464709557 | 0.4335455032 |
| 0.6168224299 | 0.6127717391 | 0.6168224299 | 0.4126042266 | 0.6168224299 | 0.6210790464 | 0.3920565202 |
| 0.6426116838 | 0.6501865672 | 0.6426116838 | 0.4076195721 | 0.6426116838 | 0.6472081218 | 0.5248158564 |
| 0.5920941968 | 0.5992509363 | 0.5920941968 | 0.3935579785 | 0.5920941968 | 0.5960264901 | 0.4222605605 |
| 0.570762166  | 0.6005580908 | 0.5918018787 | 0.3800910867 | 0.5918018787 | 0.595463138  | 0.4963651371 |
| 0.578351836  | 0.6097265909 | 0.599870158  | 0.3735410006 | 0.599870158  | 0.6034482759 | 0.4883614756 |
| 0.5862367305 | 0.619047619  | 0.6081614743 | 0.3796662038 | 0.6081614743 | 0.6116504854 | 0.4318193029 |
| 0.6084701815 | 0.6101354742 | 0.6084701815 | 0.3685799659 | 0.6084701815 | 0.612244889  | 0.4849652551 |
| 0.5918018787 | 0.5931615461 | 0.5918018787 | 0.3565129327 | 0.5918018787 | 0.595463138  | 0.4706059071 |
| 0.5904091599 | 0.5965002573 | 0.5904091599 | 0.359406007  | 0.5904091599 | 0.5935135135 | 0.4718396888 |
| 0.5619108826 | 0.5872814796 | 0.5825917083 | 0.345947969  | 0.5825917083 | 0.585877452  | 0.4514820992 |
| 0.5580395529 | 0.5742827869 | 0.5580395529 | 0.3197239345 | 0.5580395529 | 0.5609549968 | 0.4221261989 |
| 0.5522672065 | 0.5480769231 | 0.5409830666 | 0.3246809412 | 0.5409830666 | 0.5439473617 | 0.4217192975 |
| 0.5176421572 | 0.5501747379 | 0.5361344538 | 0.3050112815 | 0.5361344538 | 0.5390334572 | 0.4440417386 |
| 0.5296803653 | 0.5423238653 | 0.5296803653 | 0.2853741424 | 0.5296803653 | 0.5326530612 | 0.3808505765 |
| 0.5          | 0.5351038654 | 0.5176470598 | 0.2879507001 | 0.5176470598 | 0.5199579832 | 0.529687078  |
| 0.488372093  | 0.5429562433 | 0.5238095238 | 0.2826859951 | 0.5238095238 | 0.5260361318 | 0.5008505291 |
| 0.5344129555 | 0.5490934811 | 0.5344129555 | 0.2685245594 | 0.5344129555 | 0.5370603015 | 0.4846730489 |
| 0.5151177971 | 0.5352263586 | 0.5151177971 | 0.260797168  | 0.4976425204 | 0.5172413793 | 0.4813559772 |
| 0.4784648818 | 0.4978891821 | 0.4784648818 | 0.2537348911 | 0.4784648818 | 0.4802259887 | 0.4718175495 |
| 0.4648080511 | 0.51957872   | 0.497824195  | 0.2586221672 | 0.4648080511 | 0.4995730145 | 0.4639368602 |
| 0.4202682563 | 0.4731972789 | 0.4492721268 | 0.2496693765 | 0.4202682563 | 0.4503833049 | 0.4695776178 |
| 0.4384027737 | 0.4749933137 | 0.4532188841 | 0.2301653034 | 0.4532188841 | 0.4545454545 | 0.4619719185 |
| 0.4122137405 | 0.4651162791 | 0.4400494321 | 0.2264789431 | 0.4122137405 | 0.4411764706 | 0.463726632  |
| 0.4042780749 | 0.4563549616 | 0.4318429662 | 0.228541759  | 0.4179265659 | 0.4326923077 | 0.4399236606 |
| 0.4122919334 | 0.4547346514 | 0.4405746626 | 0.2258794593 | 0.4262931034 | 0.441552901  | 0.429938938  |
| 0.4100485967 | 0.4324394018 | 0.4142763302 | 0.216595159  | 0.4142763302 | 0.4148799314 | 0.4189057384 |
| 0.4339781329 | 0.4629080119 | 0.4485981308 | 0.205375504  | 0.4485981308 | 0.45         | 0.3939750699 |
| 0.3766011956 | 0.4193458387 | 0.4017391304 | 0.194643532  | 0.4017391304 | 0.4022988506 | 0.3866176028 |

Center to center distance

| Boosting     | CSRT         | KCF          | MedianFlow  | MIL         | MOSSE        | TLD          |
|--------------|--------------|--------------|-------------|-------------|--------------|--------------|
| 1.1414213562 | 0            | 0            | 1           | 2           | 0.7071067812 | 9.013878189  |
| 2.061552813  | 2.5          | 1.118033989  | 1           | 3.354101966 | 0.5          | 9.513148795  |
| 2.828427125  | 1.802775638  | 1            | 1.802775638 | 3           | 1.58113883   | 8.514693183  |
| 3.16227766   | 2            | 2.236067972  | 2.061552813 | 3.16227766  | 0.7071067812 | 15.20690933  |
| 2.549509757  | 1.802775638  | 0.7071067812 | 1.5         | 2.915475947 | 0            | 16.28429691  |
| 4.242640687  | 2.236067972  | 2.236067972  | 2.121320344 | 3.16227766  | 2.549509757  | 7.5          |
| 5.700877125  | 3.041381265  | 2.915475947  | 6.05551275  | 3.807886553 | 8.454903185  | 7.006845     |
| 5            | 1.1414213562 | 2.236067972  | 2.915475947 | 2.236067972 | 2.549509757  | 7.5          |
| 5.315072906  | 2.121320344  | 3.201562119  | 3.60551275  | 3.354101966 | 3.041381265  | 2.121320344  |
| 4.716990594  | 3.041381265  | 3.041381265  | 3.807886553 | 2.5         | 3.5          | 2.236067972  |
| 5.590169944  | 3.535533906  | 3.354101966  | 4.272001874 | 2.236067972 | 3.041381265  | 2.5          |
| 4.609772229  | 2.828427125  | 3.905124838  | 3.60551275  | 3.5         | 3.640054945  | 1.1414213562 |
| 4.242640687  | 1.1414213562 | 2.828427125  | 3.535533906 | 3.60551275  | 2.549509757  | 9.055385138  |
| 4.301162634  | 3.201562119  | 4.031128874  | 4.301162634 | 3.807886553 | 4.123105626  | 12.74754878  |
| 3.905124838  | 3.201562119  | 4.031128874  | 4.301162634 | 3.354101966 | 4.031128874  | 12.3794184   |
| 3.535533906  | 4.031128874  | 5.14781507   | 5.408326913 | 2.549509757 | 5.099019514  | 12.10371844  |
| 3.605551275  | 4.716990594  | 5            | 3.16227766  | 4.74341649  | 12.5         |              |
| 2            | 3.605551275  | 4.472135955  | 5           | 2.828427125 | 4.74341649   | 12.10371844  |
| 3.640054945  | 6.020797289  | 6.103277889  | 7.810249676 | 3.640054945 | 6.800735254  | 18.60107242  |
| 4.301162634  | 6.020797289  | 7.778174593  | 4.272001874 | 5           | 10.1025922   |              |
| 3.640054945  | 4.609772229  | 6.726812024  | 7.778174593 | 4.924280917 | 7.158910532  | 10           |
| 3.905124838  | 3.905124838  | 3.905124838  | 3.354101966 | 7.433034374 | 8.514693183  | 8.514693183  |
| 3.16227766   | 5.656485249  | 7.106335202  | 6.041522987 | 5.605949415 | 8.514693183  | 8.514693183  |
| 3.905124838  | 3.905124838  | 3.905124838  | 4.472135955 | 9.915945125 | 8.514693183  | 8.514693183  |
| 3.640054945  | 2.692582404  | 6.103277889  | 7.810249676 | 7.158910532 | 12.74754878  | 10.847306    |

[illegible]

| Bounding box match rate |              |              |              |              |              |              |              |  |  | Center to center distance |             |             |             |             |             |             |             |  |            | Time demands |              |              |              |               |               |             |  |  |  |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|------------|--------------|--------------|--------------|--------------|---------------|---------------|-------------|--|--|--|
| Boosting                | CSRT         | KCF          | MedianFlow   | MIL          | MOSSE        | TLD          |              |  |  | Boosting                  | CSRT        | KCF         | MedianFlow  | MIL         | MOSSE       | TLD         |             |  |            | Boosting     | CSRT         | KCF          | MedianFlow   | MIL           | MOSSE         | TLD         |  |  |  |
| 0.620795107             | 0.6963282937 |              | 1            | 0.6294556963 | 0.6466932978 | 0            | 0.6434201082 |  |  | 7.211020551               | 5.590169944 |             | 0           | 7.5         | 7.211020551 | 2937.20956  | 6.708203932 |  |            | 6.02859931   | 13.90422503  | 1.20864271   | 0.85699637   | 26.47991676   | 0.04302542999 | 16.27908016 |  |  |  |
| 0.6181499342            | 0.6612973444 | 0.8860500766 | 0.6193732607 | 0.6993554328 | 0            | 0.756384162  |              |  |  | 7.433034374               | 6.403124237 | 1.802775638 | 8.139410298 | 5.408326913 | 2937.20956  | 4.272001873 |             |  |            | 5.85110705   | 14.53919837  | 1.20697556   | 0.87899566   | 26.52666523   | 0.04202491    | 16.43882569 |  |  |  |
| 0.2843137255            | 0.6371441482 | 0            | 0.5996224758 | 0.6811451135 | 0            | 0.4792355752 |              |  |  | 24.51530134               | 6.726812024 | 2937.20956  | 7.810249676 | 5.65854249  | 2937.20956  | 10.51186802 |             |  |            | 6.17788744   | 13.04573802  | 0.60627682   | 0.83255558   | 26.5309387    | 0.02694401999 | 16.60282555 |  |  |  |
| 0.006279434851          | 0.6086956522 | 0            | 0.6009500182 | 0.1055536392 | 0            | 0.4444444444 |              |  |  | 52.73755777               | 6.403124237 | 2937.20956  | 7.433034374 | 27.87920372 | 2937.20956  | 7.433034374 |             |  |            | 6.22708975   | 12.87835985  | 0.63496028   | 0.85146022   | 25.72412274   | 0.02998876997 | 15.65416685 |  |  |  |
| 0                       | 0.5454545455 | 0            | 0.6146900884 | 0            | 0.5555555556 | 0            | 0.5555555556 |  |  | 95.41095325               | 7.38241153  | 2937.20956  | 6.403124237 | 78.27036476 | 2937.20956  | 3.905124838 |             |  |            | 6.13862945   | 13.05533336  | 0.6044104999 | 0.9532550399 | 24.75246024   | 0.0283425002  | 16.15197871 |  |  |  |
| 0                       | 0.5342664093 | 0            | 0.6947890442 | 0            | 0.5013192612 | 0            | 0.5013192612 |  |  | 132.2308587               | 5.315072906 | 2937.20956  | 4.301162634 | 119.7747787 | 2937.20956  | 5.14781507  |             |  |            | 6.24333823   | 13.6969121   | 0.60174455   | 0.84732655   | 24.99220625   | 0.0263404996  | 14.37332397 |  |  |  |
| 0                       | 0.4464285714 | 0            | 0.6814489528 | 0            | 0.5769661687 | 0            | 0.5769661687 |  |  | 166.3370073               | 3.640054945 | 2937.20956  | 5.385164807 | 179.8693971 | 2937.20956  | 6.020797289 |             |  |            | 6.16616717   | 13.65933339  | 0.6043110001 | 0.9331265    | 24.95373235   | 0.0215845     | 15.2870138  |  |  |  |
| 0                       | 0.3928571429 | 0            | 0.5913720129 | 0            | 0.5036371298 | 0            | 0.5036371298 |  |  | 206.1655888               | 5.700877125 | 2937.20956  | 6.708203932 | 210.7729821 | 2937.20956  | 7.106335202 |             |  |            | 6.11411383   | 13.67413304  | 0.59490728   | 0.88277068   | 24.99406358   | 0.0306326998  | 14.34604062 |  |  |  |
| 0                       | 0.4285714286 | 0            | 0.6402448816 | 0            | 0.5276950346 | 0            | 0.5276950346 |  |  | 266.9854865               | 6.19202405  | 2937.20956  | 5.830951895 | 285.0828827 | 2937.20956  | 6.020797289 |             |  |            | 6.13121425   | 13.4328133   | 0.6087924499 | 0.86979304   | 24.92605413   | 0.0303730701  | 15.05115368 |  |  |  |
| 0                       | 0.4222972973 | 0            | 0.6215965225 | 0            | 0.6296342541 | 0            | 0.6296342541 |  |  | 312.9632566               | 6.264982043 | 2937.20956  | 6.264982043 | 359.2352989 | 2937.20956  | 3.807886553 |             |  |            | 6.19081777   | 12.87452879  | 0.5970003    | 0.84418432   | 24.89486814   | 0.02654951997 | 14.50950505 |  |  |  |
| 0                       | 0            | 0            | 0.6517748749 | 0            | 0.5128205128 | 0            | 0.5128205128 |  |  | 386.7870861               | 59.17136132 | 2937.20956  | 5.700877125 | 407.7759802 | 2937.20956  | 5.315072906 |             |  |            | 6.21471657   | 13.39798393  | 0.60936766   | 0.94147052   | 24.86595437   | 0.0284994498  | 16.089892   |  |  |  |
| 0                       | 0            | 0            | 0.5796027828 | 0            | 0.4411764706 | 0            | 0.4411764706 |  |  | 466.5774319               | 152.8823077 | 2937.20956  | 8.514693183 | 465.7579844 | 2937.20956  | 5           |             |  |            | 6.31356697   | 10.63966941  | 0.59351584   | 0.82455707   | 24.91503339   | 0.02820744005 | 16.07025983 |  |  |  |
| 0                       | 0            | 0            | 0.4326888811 | 0            | 0.6757407401 | 0            | 0.6757407401 |  |  | 528.1394229               | 205.9350626 | 2937.20956  | 11.40175425 | 534.196627  | 2937.20956  | 5.852349955 |             |  |            | 6.30366715   | 12.92759208  | 0.60688113   | 0.7971911399 | 24.94113751   | 0.03368621001 | 17.511314   |  |  |  |
| 0                       | 0            | 0            | 0.3567896602 | 0            | 0.5304146162 | 0            | 0.5304146162 |  |  | 567.0134478               | 283.162939  | 2937.20956  | 19.60229578 | 589.6662191 | 2937.20956  | 7.826237921 |             |  |            | 6.4475948    | 13.37712396  | 0.59940944   | 0.83704143   | 24.95232967   | 0.03103258001 | 19.89197187 |  |  |  |
| 0                       | 0            | 0            | 0.4808292778 | 0            | 0.3194499964 | 0            | 0.3194499964 |  |  | 577.1319173               | 322.8610382 | 2937.20956  | 16.2788820  | 599.5033361 | 2937.20956  | 18.0346888  |             |  |            | 6.48143642   | 12.80732418  | 0.60680852   | 0.81106962   | 24.9951168    | 0.03054918001 | 20.86604504 |  |  |  |
| 0                       | 0            | 0            | 0.5003537133 | 0            | 0.3379286784 | 0            | 0.3379286784 |  |  | 576.9857017               | 325.8669207 | 2937.20956  | 15.91383046 | 603.510149  | 2937.20956  | 17.73414785 |             |  |            | 6.36215435   | 10.68589139  | 0.63522189   | 0.83229617   | 24.8426108    | 0.03120087997 | 20.79132368 |  |  |  |
| 0                       | 0            | 0            | 0.5072218954 | 0            | 0.4553350727 | 0            | 0.4553350727 |  |  | 555.8914013               | 324.291921  | 2937.20956  | 15.91383046 | 602.0101743 | 2937.20956  | 12.29837388 |             |  |            | 6.26000198   | 10.95554949  | 0.60599341   | 0.84877897   | 25.02804631   | 0.03069566999 | 20.91192692 |  |  |  |
| 0                       | 0            | 0            | 0.4640840861 | 0            | 0.3659009518 | 0            | 0.3659009518 |  |  | 539.6156039               | 311.5517613 | 2937.20956  | 16.65082581 | 595.1209691 | 2937.20956  | 14.11559421 |             |  |            | 6.4497688    | 11.02296174  | 0.60151127   | 0.81291845   | 24.98872573   | 0.03303569996 | 19.70130751 |  |  |  |
| 0                       | 0            | 0            | 0.4113035907 | 0            | 0.4030944625 | 0            | 0.4030944625 |  |  | 507.5512289               | 296.5004216 | 2937.20956  | 17.10263138 | 548.6403649 | 2937.20956  | 13.60147051 |             |  |            | 6.24908654   | 11.22141171  | 0.60608551   | 0.80106088   | 24.97978604   | 0.04322862995 | 18.04581001 |  |  |  |
| 0                       | 0            | 0            | 0.2862627268 | 0            | 0.4741680417 | 0            | 0.4741680417 |  |  | 467.3812683               | 291.7459036 | 2937.20956  | 9.219544457 | 513.5243242 | 2937.20956  | 9.219544457 |             |  |            | 6.13271724   | 10.02961907  | 0.59122353   | 0.10104043   | 25.03458372   | 0.04259202004 | 17.17686498 |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.478606059  | 0            | 0.478606059  |  |  | 409.6208613               | 185.3550647 | 2937.20956  | 2937.20956  | 467.0323865 | 2937.20956  | 11.71537451 |             |  |            | 6.23557497   | 10.94460247  | 0.60332978   | 0.68115603   | 25.19755615   | 0.0279854403  | 15.2826997  |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.3374157991 | 0            | 0.3374157991 |  |  | 355.1457447               | 146.8196172 | 2937.20956  | 425.4556381 | 2937.20956  | 12.04159458 |             |             |  | 6.24876572 | 12.52140916  | 0.598787301  | 0.90913701   | 25.10883717  | 0.02980206002 | 14.65972779   |             |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.3834586466 | 0            | 0.3834586466 |  |  | 299.9407087               | 130.6416855 | 2937.20956  | 2937.20956  | 380.5525888 | 2937.20956  | 9.861541462 |             |  |            | 6.23074621   | 12.57376198  | 0.60602482   | 0.69838203   | 24.95702507   | 0.03599153999 | 14.20681814 |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.3709198813 | 0            | 0.3709198813 |  |  | 255.7523216               | 2937.20956  | 2937.20956  | 2937.20956  | 338.6786255 | 2937.20956  | 10.30776406 |             |  |            | 6.17941968   | 11.73201338  | 0.59105441   | 0.66456532   | 25.27819069   | 0.03669135003 | 14.65626461 |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.4437643458 | 0            | 0.4437643458 |  |  | 204.8462838               | 2937.20956  | 2937.20956  | 2937.20956  | 299.5062604 | 2937.20956  | 6.041522987 |             |  |            | 6.18885088   | 12.82710055  | 0.6043818    | 0.64464458   | 25.17024822   | 0.03605284001 | 14.20794872 |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.4117647059 | 0            | 0.4117647059 |  |  | 163.4663574               | 769.9235352 | 2937.20956  | 2937.20956  | 233.9008055 | 2937.20956  | 7.433034374 |             |  |            | 6.11082763   | 11.74325277  | 0.6046892    | 0.6028141701 | 25.08978144   | 0.03671585997 | 14.23931038 |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.4903677758 | 0            | 0.4903677758 |  |  | 106.9310526               | 808.2600139 | 2937.20956  | 2937.20956  | 179.4414946 | 2937.20956  | 6.184658438 |             |  |            | 6.09877046   | 13.26399863  | 0.60611432   | 0.64195524   | 25.07128782   | 0.03597153998 | 14.1352717  |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.4409448819 | 0            | 0.4409448819 |  |  | 46.02445002               | 853.9433529 | 2937.20956  | 568.7629119 | 95.12228971 | 2937.20956  | 8.5         |             |  |            | 6.10782839   | 10.53142423  | 0.63487408   | 0.62572809   | 24.98787239   | 0.03377611996 | 15.37709981 |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.4708538588 | 0            | 0.4708538588 |  |  | 68.3703152                | 909.2360805 | 2937.20956  | 625.4680249 | 14.23024947 | 2937.20956  | 10.29563014 |             |  |            | 6.10379603   | 10.92517323  | 0.60293367   | 0.74186027   | 25.24604171   | 0.03589464002 | 14.81722916 |  |  |  |
| 0                       | 0            | 0            | 0            | 0            | 0.5401145332 | 0            | 0.5401145332 |  |  | 118.3300469               | 977.7434479 | 2937.20956  | 67.41661516 | 2937.20956  | 8.062257748 |             |             |  | 6.15632626 | 13.13397409  | 0.6035831899 | 0.66157739   | 24.86760673  | 0.02891554999 | 15.97781387   |             |  |  |  |
| 0                       | 0            | 0            | 0            | 0.           |              |              |              |  |  |                           |             |             |             |             |             |             |             |  |            |              |              |              |              |               |               |             |  |  |  |

[illegible]

| Bounding box match rate |              |              |              |              |       |              |   |   |  | Center to center distance |              |              |              |             |             |             |             |  |            | Time demands |              |              |             |                |               |             |  |  |  |
|-------------------------|--------------|--------------|--------------|--------------|-------|--------------|---|---|--|---------------------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|--|------------|--------------|--------------|--------------|-------------|----------------|---------------|-------------|--|--|--|
| Boosting                | CSRT         | KCF          | MedianFlow   | MIL          | MOSSE | TLD          |   |   |  | Boosting                  | CSRT         | KCF          | MedianFlow   | MIL         | MOSSE       | TLD         |             |  |            | Boosting     | CSRT         | KCF          | MedianFlow  | MIL            | MOSSE         | TLD         |  |  |  |
| 0.8139534884            | 0.8139534884 | 0            | 0.7797271438 | 0.7727272727 | 0     | 0            | 0 | 0 |  | 4.609772229               | 4            | 4.5          | 0.5          | 3.640054945 | 5.590169944 | 2937.20956  | 26          |  |            | 4.29939731   | 23.12560896  | 0.52766413   | 0.79333003  | 24.99920381    | 0.0155714796  | 30.56257515 |  |  |  |
| 0.7183098592            | 0.7183098592 | 0.8769230769 | 0.7211892791 | 0.6827586207 | 0     | 0.534591195  |   |   |  | 4.527692659               | 4            | 4.123105626  | 0            | 3.640054945 | 25.49509757 | 2937.20956  | 76.11832894 |  |            | 4.44141302   | 23.2471014   | 0.51433387   | 0.81773421  | 24.70793288    | 0.02238097004 | 31.43246125 |  |  |  |
| 0.8139534884            | 0.7430167598 | 0            | 0.7941964849 | 0            | 0     | 0            | 0 | 0 |  | 4.527692659               | 3.53533906   | 0.7071067812 | 3.53533906   | 23.92697223 | 2937.20956  | 184.0774294 |             |  | 4.29966442 | 23.01544015  | 0.51601928   | 0.79528965   | 24.57913901 | 0.0226677003   | 31.456669021  |             |  |  |  |
| 0.7546728972            | 0.7945041816 | 0.9256410256 | 0.7661421257 | 0            | 0     | 0.6560088203 |   |   |  | 5.09019514                | 5.090019514  | 1            | 4.472135955  | 23.53720459 | 33.25       | 17.933662   |             |  | 4.32714019 | 23.46833524  | 0.51672764   | 0.83078128   | 24.52874504 | 0.03471880002  | 32.49449725   |             |  |  |  |
| 0.7906976744            | 0.8333333333 | 0.925        | 0.7806191493 | 0            | 0     | 0            | 0 | 0 |  | 4.5                       | 3.5          | 1.5          | 3.640054945  | 47.44733923 | 2937.20956  | 48.127435   |             |  | 4.31665682 | 23.56314945  | 0.51611907   | 0.80395354   | 24.99187005 | 0.03914296998  | 32.28005195   |             |  |  |  |
| 0.7718040621            | 0.8129584352 | 0.9012820513 | 0.7739706326 | 0            | 0     | 0.5793397321 |   |   |  | 4.031128874               | 0.041381265  | 0.5          | 0.041381265  | 24.82438317 | 2937.20956  | 48.2830197  |             |  | 4.35582448 | 23.94638045  | 0.56008598   | 0.81742062   | 24.90060983 | 0.04017756997  | 32.55486832   |             |  |  |  |
| 0.7718040621            | 0.7718040621 | 0.9012820513 | 0.748388147  | 0            | 0     | 0.3898781631 |   |   |  | 4.031128874               | 0.041381265  | 1.118033989  | 3.354101966  | 26.19637397 | 2937.20956  | 96.52590326 |             |  | 4.32388471 | 22.96151889  | 0.52380867   | 0.8366819401 | 25.02281256 | 0.039176865003 | 33.14428167   |             |  |  |  |
| 0.654185022             | 0.7945041816 | 0.9256410256 | 0.7216933239 | 0            | 0     | 0.3750973408 |   |   |  | 5.70087125                | 3.53533906   | 0.7071067812 | 3.80788655   | 23.16246964 | 2937.20956  | 96.40789722 |             |  | 4.36254167 | 23.32497515  | 0.52388468   | 0.80359345   | 24.89134276 | 0.05087550002  | 32.92072995   |             |  |  |  |
| 0.7546728972            | 0.7945041816 | 0.9256410256 | 0.7636698208 | 0            | 0     | 0.4055465121 |   |   |  | 4.527692659               | 3.53533906   | 0.7071067812 | 3.80788655   | 25.10975906 | 2937.20956  | 96.6760053  |             |  | 4.36426879 | 23.28948978  | 0.51617728   | 0.83561253   | 24.68175743 | 0.03890246     | 33.686101524  |             |  |  |  |
| 0.7324766355            | 0.7718040621 | 0.9012820513 | 0.7771904466 | 0            | 0     | 0.4213537509 |   |   |  | 5.024937811               | 4.031128874  | 0.5          | 0.041381265  | 25.98557292 | 2937.20956  | 96.94586118 |             |  | 4.36805313 | 22.67717015  | 0.51689178   | 0.85079271   | 24.71158506 | 0.03265478997  | 33.35908762   |             |  |  |  |
| 0.75                    | 0.76         | 0.9743589744 | 0.8005778107 | 0            | 0     | 0.4025500911 |   |   |  | 5.5                       | 3.640054945  | 0.5          | 3.640054945  | 26.57536453 | 2937.20956  | 96.52590326 |             |  | 4.37508052 | 23.48475837  | 0.51608889   | 0.83250829   | 24.98065844 | 0.04113347997  | 33.39173088   |             |  |  |  |
| 0.7718040621            | 0.7026406429 | 0.9012820513 | 0.7689512529 | 0            | 0     | 0.400819152  |   |   |  | 4.031128874               | 4.272001873  | 1.118033989  | 3.53533906   | 49.86231042 | 2937.20956  | 96.52590326 |             |  | 4.37024526 | 23.1194223   | 0.51619308   | 0.8123684501 | 25.15214056 | 0.05085370001  | 33.20312902   |             |  |  |  |
| 0.7906976744            | 0.76         | 0.9743589744 | 0.8012942058 | 0            | 0     | 0.4137541706 |   |   |  | 4.5                       | 3.640054945  | 0.5          | 3.53533906   | 51.54852083 | 2937.20956  | 65.3012251  |             |  | 4.49157129 | 23.63285317  | 0.5163500689 | 0.86450348   | 25.3512077  | 0.03721603003  | 33.79049444   |             |  |  |  |
| 0.7727272727            | 0.8139534884 | 1            | 0.7802256382 | 0            | 0     | 0.4094345782 |   |   |  | 0.7034482759              | 0.7394366197 | 0.9          | 0.7441441163 | 0           | 0           | 64.81512169 |             |  | 4.40613739 | 22.97907834  | 0.51908642   | 0.81791906   | 25.17841822 | 0.03370610997  | 33.77041709   |             |  |  |  |
| 0.7034482759            | 0.7394366197 | 0.9          | 0.7441441163 | 0            | 0     | 0.3571428571 |   |   |  | 5.09019514                | 5.090019514  | 1            | 3.16227766   | 50.5762225  | 2937.20956  | 64.81512169 |             |  | 4.41796052 | 22.46253472  | 0.51840391   | 0.8075949999 | 24.76318962 | 0.0412923901   | 34.453461     |             |  |  |  |
| 0.7768691589            | 0.8172043011 | 0.9036295369 | 0.7849490755 | 0            | 0     | 0            |   |   |  | 4.031128874               | 3.041381265  | 1.118033989  | 2.915475947  | 49.86231042 | 2937.20956  | 64.7340714  |             |  | 4.43019646 | 23.17196061  | 0.51777964   | 0.82712473   | 25.3417172  | 0.03263107996  | 34.345346     |             |  |  |  |
| 0.7165714286            | 0.7945041816 | 0.9256410256 | 0.7472125877 | 0            | 0     | 0            |   |   |  | 5.522680509               | 3.53533906   | 0.7071067812 | 4.031128874  | 49.07647094 | 2937.20956  | 69.3077493  |             |  | 4.42340619 | 23.51597092  | 0.76702902   | 0.83241904   | 25.34506922 | 0.03213419004  | 34.34870175   |             |  |  |  |
| 0.7546728972            | 0.7945041816 | 0.9256410256 | 0.7668737387 | 0            | 0     | 0.2558528428 |   |   |  | 4.527692659               | 3.53533906   | 0.7071067812 | 3.16227766   | 49.92494367 | 2937.20956  | 86.985631   |             |  | 4.42072095 | 22.99117965  | 0.5684071099 | 0.82217077   | 25.52417323 | 0.03299529002  | 34.803883     |             |  |  |  |
| 0.7546728972            | 0.7945041816 | 0.9256410256 | 0.7834616986 | 0            | 0     | 0            |   |   |  | 4.527692659               | 3.53533906   | 0.7071067812 | 3.041381265  | 52.04325124 | 2937.20956  | 87.44267977 |             |  | 4.41219395 | 23.05936912  | 0.521424724  | 0.94614183   | 25.21178767 | 0.0319659898   | 34.5354058    |             |  |  |  |
| 0.7165714286            | 0.7945041816 | 0.9256410256 | 0.7704993194 | 0            | 0     | 0            |   |   |  | 5.522680509               | 3.53533906   | 0.7071067812 | 3.041381265  | 48.08846011 | 2937.20956  | 86.985631   |             |  | 4.41539248 | 23.60318605  | 0.51604929   | 0.7901938799 | 25.35589125 | 0.02535942001  | 35.06229229   |             |  |  |  |
| 0.7382857143            | 0.7768691589 | 0.9036295369 | 0.7737167057 | 0            | 0     | 0            |   |   |  | 5.024937811               | 4.031128874  | 1.118033989  | 3.640054945  | 47.18315377 | 2937.20956  | 86.32641542 |             |  | 4.43505702 | 22.9557072   | 0.51493067   | 0.82603311   | 25.35187887 | 0.03745955     | 35.10196283   |             |  |  |  |
| 0.7546728972            | 0.7945041816 | 0.9256410256 | 0.7684016375 | 0            | 0     | 0            |   |   |  | 4.527692659               | 3.53533906   | 0.7071067812 | 3.041381265  | 49.92494367 | 2937.20956  | 86.985631   |             |  | 4.41789602 | 24.09938466  | 0.51900912   | 1.08169353   | 25.15127316 | 0.03112086     | 35.10837427   |             |  |  |  |
| 0.7727272727            | 0.7430167598 | 0.9047619048 | 0.8095403711 | 0            | 0     | 0            |   |   |  | 5                         | 4.123105626  | 1            | 0.041381265  | 50.5369556  | 2937.20956  | 87.584828   |             |  | 4.47196133 | 23.91265737  | 0.52354659   | 0.82976446   | 25.43694763 | 0.03297969     | 35.1715908    |             |  |  |  |
| 0.76                    | 0.7990654206 | 0.9274098216 | 0.7976711498 | 0            | 0     | 0            |   |   |  | 4.527692659               | 3.53533906   | 0.7071067812 | 3.16227766   | 52.36888389 | 2937.20956  | 86.985631   |             |  | 4.41801811 | 23.3040813   | 0.52549489   | 0.8363099299 | 25.21936901 | 0.05131972001  | 35.34035747   |             |  |  |  |
| 0.8139534884            | 0.8571428571 | 0.95         | 0.8175442985 | 0            | 0     | 0            |   |   |  | 4                         | 3            | 1            | 0.041381265  | 51.4781507  | 2937.20956  | 170.9463343 |             |  | 4.45279932 | 23.4570824   | 0.52241709   | 0.97505898   | 25.35201387 | 0.03695904     | 35.27815548   |             |  |  |  |
| 0.8571428571            | 0.8571428571 | 0.95         | 0.8370601056 | 0            | 0     | 0            |   |   |  | 3                         | 3            | 1            | 2.692582404  | 53.60037313 | 2937.20956  | 171.7862043 |             |  | 4.44165741 | 23.27768421  | 0.52469079   | 0.81304537   | 25.19456905 | 0.03493832002  | 35.66887674   |             |  |  |  |
| 0.7034482759            | 0.7769784173 | 0.8571428571 | 0.7561875066 | 0            | 0     | 0            |   |   |  | 6.020797289               | 4.031128874  | 1.118033989  | 3.354101966  | 51.12973694 | 2937.20956  | 222.049544  |             |  | 4.38369159 | 23.19890163  | 0.53240407   | 0.93712603   | 25.26976633 | 0.03332578999  | 35.85283883   |             |  |  |  |
| 0.7013422819            | 0.7768691589 | 0.9036295369 | 0.756697333  | 0            | 0     | 0            |   |   |  | 5.09019514                | 4            | 0            | 3.16227766   | 49.6476635  | 2937.20956  | 222.189236  |             |  | 4.36457242 | 23.28634094  | 0.52248795   | 0.88518321   | 25.28266984 | 0.03305659004  | 35.7609455    |             |  |  |  |
| 0.7067833698            | 0.8139534884 | 1            | 0.7956577275 | 0            | 0     | 0            |   |   |  | 5.09019514                | 4            | 0            | 3.16227766   | 49.6476635  | 2937.20956  | 222.189236  |             |  | 4.42071935 | 23.46281655  | 0.52265147   | 0.84289841   | 25.1164823  | 0.03243728002  | 35.96380027   |             |  |  |  |
| 0.7382857143            | 0.7768691589 | 0.9036295369 | 0.7833191847 | 0            | 0     | 0            |   |   |  | 5.0249                    |              |              |              |             |             |             |             |  |            |              |              |              |             |                |               |             |  |  |  |

[illegible]

Bounding box match rate

| Boosting      | CSRT         | KCF          | MedianFlow   | MIL           | MOSSE        | TLD          |
|---------------|--------------|--------------|--------------|---------------|--------------|--------------|
| 0.880952381   | 0.8248062016 |              | 1            | 0.8302671367  | 0.8588235294 | 0.8123416993 |
| 0.8150205264  | 0.790051207  | 0.8975006312 | 0.8007317283 | 0.8349609375  | 0.753440367  | 0.8007317283 |
| 0.814666993   | 0.8084564442 | 0.8793593387 | 0.8099684062 | 0.814666993   | 0.7503546099 | 0.8062706739 |
| 0.7975536695  | 0.796460177  | 0.8602482313 | 0.7924581455 | 0.775857813   | 0.7349112426 | 0.68231861   |
| 0.7577109251  | 0.7394042141 | 0.8349514563 | 0.734448437  | 0.7214765101  | 0.6998372472 | 0.5971215926 |
| 0.7041216879  | 0.687150838  | 0.7219039084 | 0.7218913008 | 0.6705146705  | 0.6503382319 | 0.5877590634 |
| 0.7129040584  | 0.7103218646 | 0.7129040584 | 0.710367785  | 0.6845433848  | 0.640776699  | 0.612485638  |
| 0.6750193748  | 0.733669607  | 0.6750193748 | 0.7276960618 | 0.6583120205  | 0.637286457  | 0.6213852033 |
| 0.65202723314 | 0.7555996958 | 0.7022273314 | 0.733046801  | 0.685433848   | 0.6797822331 | 0.5978666907 |
| 0.7486437613  | 0.7957371226 | 0.7486437613 | 0.7825450902 | 0.675908787   | 0.6890303624 | 0.6656123882 |
| 0.7022273314  | 0.7819835681 | 0.7022273314 | 0.7837574834 | 0.6672508763  | 0.6797822321 | 0.745357335  |
| 0.6923275639  | 0.772697325  | 0.6923275639 | 0.7877212585 | 0.6580612503  | 0.67         | 0.7005443217 |
| 0.6478946009  | 0.7496917386 | 0.6478946009 | 0.7486034145 | 0.6161641753  | 0.627        | 0.6890391232 |
| 0.6750193748  | 0.7391696751 | 0.6750193748 | 0.7263822751 | 0.6101131616  | 0.637286457  | 0.6805368655 |
| 0.5877034358  | 0.6630434783 | 0.5877034358 | 0.6861632866 | 0.5547767025  | 0.56875      | 0.7216732689 |
| 0.5877034358  | 0.6871580303 | 0.5877034358 | 0.7009937456 | 0.5457746479  | 0.56875      | 0.6595886973 |
| 0.5459545434  | 0.6105640107 | 0.5459545434 | 0.7055839568 | 0.51968850394 | 0.528        | 0.6674631979 |
| 0.613794885   | 0.6684350133 | 0.613794885  | 0.670367276  | 0.6061837924  | 0.5797819623 | 0.7608166606 |
| 0.5026453113  | 0.6464737194 | 0.5026453113 | 0.6504921251 | 0.6011116625  | 0.5445       | 0.6709433827 |
| 0.5373288556  | 0.5823068309 | 0.5373288556 | 0.5950806703 | 0.4881220305  | 0.52         | 0.6699453771 |
| 0.5459545434  | 0.5459545434 | 0.5459545434 | 0.6873747773 | 0.0496290282  | 0.528        | 0.6865814354 |
| 0.5037458021  | 0.5037458021 | 0.5037458021 | 0.6604600728 | 0.4695783893  | 0.4875       | 0.6098113272 |
| 0.5285459595  | 0.5051851852 | 0.5285459595 | 0.6752967986 | 0.5044495296  | 0.5115       | 0.6462246874 |
| 0.5370750524  | 0.4971305595 | 0.5370750524 | 0.7023464799 | 0.4863852111  | 0.51975      | 0.6090792867 |
| 0.5672952725  | 0.4674329502 | 0.5672952725 | 0.7594596964 | 0.5672952725  | 0.549        | 0.7494352613 |
| 0.6117282356  | 0.584691358  | 0.6117282356 | 0.7999929333 | 0.6117282356  | 0.592        | 0.7616293609 |
| 0.5672952725  | 0.5027472527 | 0.5672952725 | 0.7494831623 | 0.5672952725  | 0.549        | 0.7457420267 |
| 0.5244122696  | 0.4453707767 | 0.5244122696 | 0.7283398948 | 0.4841549296  | 0.5075       | 0.873325811  |
| 0.5926117282  | 0.5032909171 | 0.5926117282 | 0.7678020654 | 0.5926117282  | 0.5735       | 0.7442716718 |
| 0.6050356053  | 0.5353225099 | 0.6050356053 | 0.7541380258 | 0.5565164723  | 0.61         | 0.7677613658 |
| 0.5830534746  | 0.4951732316 | 0.5830534746 | 0.819647305  | 0.5806055067  | 0.56425      | 0.6998948306 |
| 0.5759935     | 0.4597701149 | 0.5759935    | 0.7797182946 | 0.5157074462  | 0.54         | 0.7822119118 |
| 0.5734952209  | 0.487057262  | 0.5734952209 | 0.768218924  | 0.5012758383  | 0.555        | 0.8029816036 |
| 0.5269956084  | 0.475647214  | 0.5269956084 | 0.7121081075 | 0.4505521472  | 0.51         | 0.7662105046 |
| 0.5554707379  | 0.4772243508 | 0.5791785068 | 0.7419153907 | 0.5638270657  | 0.5605       | 0.7339815411 |
| 0.569361922   | 0.4835454147 | 0.569361922  | 0.7767215731 | 0.5244667503  | 0.551        | 0.7667562497 |
| 0.583451305   | 0.4962702594 | 0.583451305  | 0.7534504895 | 0.5229695628  | 0.5655       | 0.8238859342 |
| 0.5595453371  | 0.4752084247 | 0.5595453371 | 0.7711443594 | 0.504347531   | 0.5415       | 0.804734289  |
| 0.5672923235  | 0.4668714348 | 0.5594828731 | 0.727873896  | 0.5035952321  | 0.532        | 0.7007137359 |
| 0.4952866224  | 0.4383501536 | 0.5161459686 | 0.6769608861 | 0.4738824711  | 0.4995       | 0.4710064065 |
| 0.52079566    | 0.4615384615 | 0.52079566   | 0.7058402104 | 0.4662515657  | 0.504        | 0.3333333333 |
| 0.509044586   | 0.4697802198 | 0.5300955825 | 0.7461647638 | 0.5006333924  | 0.513        | 0.3423618635 |
| 0.5704834906  | 0.550215208  | 0.5944200562 | 0.7517953769 | 0.5179537629  | 0.57525      | 0.3471219615 |
| 0.4828958525  | 0.4368131868 | 0.4828958525 | 0.7100638566 | 0.4523749686  | 0.477        | 0.6533333027 |
| 0.5300955825  | 0.4906743185 | 0.5300955825 | 0.7128823649 | 0.4711382861  | 0.513        | 0.6885589254 |
| 0.5463576159  | 0.5260640842 | 0.5683285693 | 0.675642693  | 0.4917973879  | 0.55         | 0.7055855883 |
| 0.5463576159  | 0.5432098765 | 0.5683285693 | 0.6864716797 | 0.500778963   | 0.55         | 0.7550724544 |
| 0.5541203823  | 0.5296296296 | 0.5541203823 | 0.6899200275 | 0.4565298417  | 0.53625      | 0.582647268  |
| 0.5614169898  | 0.4933333333 | 0.5614169898 | 0.7284095679 | 0.4603135108  | 0.4995       | 0.4577591732 |
| 0.5114957379  | 0.4888888889 | 0.5114957379 | 0.728593811  | 0.483995511   | 0.495        | 0.8677002136 |
| 0.5541203823  | 0.5296296296 | 0.5541203823 | 0.6987087441 | 0.4939160666  | 0.53625      | 0.8347371196 |
| 0.5399121674  | 0.5399121674 | 0.5399121674 | 0.6842990446 | 0.4678650579  | 0.5225       | 0.8588116743 |
| 0.4882459313  | 0.5113636364 | 0.4882459313 | 0.7109088944 | 0.4238754325  | 0.4725       | 0.8847622818 |
| 0.4701627468  | 0.4924242424 | 0.4701627468 | 0.6962403132 | 0.4065743945  | 0.455        | 0.8870184929 |
| 0.5300955825  | 0.5551948052 | 0.5300955825 | 0.6853963588 | 0.4580577567  | 0.513        | 0.8447005344 |
| 0.5161459898  | 0.5593505039 | 0.5161459898 | 0.6996903779 | 0.449929105   | 0.4995       | 0.832289997  |
| 0.4882459313  | 0.5291153415 | 0.4882459313 | 0.7050360315 | 0.4711663079  | 0.4725       | 0.651759849  |
| 0.5300955825  | 0.6028202215 | 0.5300955825 | 0.654025673  | 0.4494866821  | 0.513        | 0.5930753564 |
| 0.4164296831  | 0.473560517  | 0.4164296831 | 0.6703264864 | 0.3514612497  | 0.403        | 0.3970223325 |
| 0.4479462671  | 0.5094007051 | 0.4479462671 | 0.6914452432 | 0.3870329126  | 0.4335       | 0.3663538358 |
| 0.44639628    | 0.5076380729 | 0.44639628   | 0.686884848  | 0.3566755512  | 0.432        | 0.7438190246 |
| 0.4164296831  | 0.4907153729 | 0.4164296831 | 0.6600414298 | 0.3341246614  | 0.403        | 0.7889310747 |
| 0.4215984867  | 0.496803653  | 0.4215984867 | 0.6802899294 | 0.3544179178  | 0.408        | 0.739053368  |
| 0.4215984867  | 0.5151515152 | 0.4215984867 | 0.6655989033 | 0.33441978    | 0.408        | 0.739053368  |
| 0.4262464497  | 0.5208333333 | 0.4262464497 | 0.6557526317 | 0.3568444335  | 0.4125       | 0.6821803822 |
| 0.3874967709  | 0.4734848485 | 0.3874967709 | 0.6747841551 | 0.3357373788  | 0.375        | 0.6847547815 |
| 0.3719969     | 0.4675324675 | 0.3719969    | 0.6731498911 | 0.320815715   | 0.36         | 0.6590330092 |
| 0.3843967967  | 0.4831168831 | 0.3843967967 | 0.6510915606 | 0.3208297932  | 0.372        | 0.7842718333 |
| 0.3797468354  | 0.4954499494 | 0.3797468354 | 0.6651256921 | 0.3282765481  | 0.3675       | 0.3473818646 |
| 0.3820718161  | 0.4984833165 | 0.3820718161 | 0.6520421144 | 0.3321713147  | 0.36975      | 0.3189695667 |
| 0.3802634978  | 0.5230987918 | 0.3802634978 | 0.6604369993 | 0.3468616083  | 0.368        | 0.3471184523 |
| 0.3885300956  | 0.5344705046 | 0.3885300956 | 0.6553815913 | 0.3440860215  | 0.376        | 0.3672264324 |
| 0.3885300956  | 0.5344705046 | 0.3885300956 | 0.640615358  | 0.3440860215  | 0.376        | 0.3669240042 |
| 0.3921467321  | 0.539445629  | 0.3921467321 | 0.6461157934 | 0.3352329039  | 0.3795       | 0.7007117051 |
| 0.3885300956  | 0.5344705046 | 0.3885300956 | 0.6234713965 | 0.3296321526  | 0.376        | 0.7673192169 |
| 0.3564970292  | 0.5099778271 | 0.3564970292 | 0.6569274528 | 0.296223148   | 0.345        | 0.7879312682 |
| 0.3921467321  | 0.5609756098 | 0.3921467321 | 0.5960189017 | 0.3137493905  | 0.3795       | 0.7445030763 |
| 0.3487470938  | 0.5192307692 | 0.3487470938 | 0.6121076275 | 0.3081934352  | 0.3375       | 0.6193322015 |

Center to center distance

| Boosting     | CSRT        | KCF          | MedianFlow  | MIL          | MOSSE       | TLD          |
|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 5            | 5.522680509 |              | 0           | 7.017834424  | 6           | 7.516648189  |
| 0.509019514  | 7.017834424 | 1            | 7.566372975 | 4.123105626  | 7.516648189 | 7.566372975  |
| 5.522680509  | 6.5         | 0.7017067812 | 7.516648189 | 7.50087125   | 8           | 7.433034374  |
| 5.590169944  | 7           | 1.5          | 0.015609771 | 6.576432718  | 0.015609771 | 0.1394102068 |
| 6            | 7           | 2            | 9.013878189 | 8.062257748  | 8.014593183 | 8.014593183  |
| 7            | 8.062257748 | 2            | 9.513148795 | 9.055385718  | 9.513148795 | 10.59481005  |
| 5.220153254  | 7.566372975 | 2.061552813  | 8.558621384 | 8.381527307  | 8.5         | 8.276472679  |
| 4.123105626  | 0.08276253  | 1.414213562  | 7.516648189 | 7.280109898  | 7.516648189 | 8.381527307  |
| 3.640054964  | 0.184658438 | 1.118033989  | 7.516648189 | 7.566372975  | 7.159910532 | 9.047070846  |
| 4.031128874  | 6.5         | 1.118033989  | 8           | 9.124143795  | 7.566372975 | 8.600735254  |
| 2.5          | 5.590169944 | 1.118033989  | 7.5         | 7.017834424  | 4.716990562 | 4.716990562  |
| 5.024937811  | 1.5         | 6.519202405  | 8.139410298 | 8.600735254  | 5.408326913 |              |
| 0.509019514  | 1.58113883  | 7.017067812  | 8.631338251 | 7.280109898  | 5.590169944 |              |
| 2.828427125  | 6.70832032  | 3.16227766   | 8.139410298 | 10.04987562  | 7.90569415  | 6.32455532   |
| 2.6159202405 | 1.414213562 | 2            | 8.94427191  | 7.64852927   | 4.924428901 |              |
| 0.08276253   | 2           | 7.566372975  | 10.04987562 | 9.964194139  | 6.041522987 |              |
| 1.118033989  | 6.576473219 | 1.802775638  | 7.516648189 | 10.04987562  | 7.159910532 | 6            |
| 1.58113883   | 6.519202405 | 0.7017067812 | 8.514693183 | 12.020815258 | 8.062257748 | 4            |
| 3.7905124838 | 4.5         | 1.802775638  | 7.017834424 | 10.54751155  | 6.5         | 0.08276253   |
| 3.201562119  | 4.527862569 | 1.5          | 7.5         | 11.108016165 | 7.762087348 | 5.024937811  |
| 3.905124838  | 3.5         | 2.061552813  | 7.017834424 | 11.54339638  | 7.50087125  |              |
| 0.031128874  | 2.5         | 2.5          | 6.020797289 | 10.1187421   | 6.264982043 | 7.017067812  |
| 4.272001873  | 3.807886553 | 2.061552813  | 6.5         | 0.913878189  | 6.5         | 0.620797289  |
| 4.472135955  | 3.041381265 | 2            | 12          | 12.04159458  | 9.964194139 | 5.024937811  |
| 3.640054945  | 2           | 1.802775638  | 7.017834424 | 9.124143795  | 7.159910532 | 6.184658438  |
| 4.272001873  | 3.807886553 | 1.118033989  | 7.762087348 | 6.5          | 6.764673219 |              |
| 2.692582404  | 2.061552813 | 2.692582404  | 7.017067812 | 8.139410298  | 7.632168761 | 3.16227766   |
| 5.024937811  | 4           | 1.118033989  | 7.516648189 | 13.5         | 7.433034374 | 7.017067812  |
| 6.184658438  | 3.16227766  | 2.5          | 6.519202405 | 8.558621384  | 9.486221995 | 2.692582404  |
| 5.590169944  | 3.535333906 | 2.5          | 7.017067812 | 13.009961183 | 7.159910532 | 3.041381     |



TIME - MOV\_OBJ

Legend:

- Boosting
- CSRT
- KCF
- MedianFlow
- MIL
- MOSSE
- TLD

Y-axis: rms

X-axis: (unlabeled, representing frames)

| Bounding box match rate |              |              |   |            |              |       |              |   |  | Center to center distance |             |             |             |             |             |             |              |             |            | Time demands |             |              |              |               |               |               |             |  |  |
|-------------------------|--------------|--------------|---|------------|--------------|-------|--------------|---|--|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|------------|--------------|-------------|--------------|--------------|---------------|---------------|---------------|-------------|--|--|
| Boosting                | CSRT         | KCF          |   | MedianFlow | MIL          | MOSSE | TLD          |   |  | Boosting                  | CSRT        | KCF         |             | MedianFlow  | MIL         | MOSSE       | TLD          |             |            | Boosting     | CSRT        | KCF          |              | MedianFlow    | MIL           | MOSSE         | TLD         |  |  |
| 0.8300536673            | 0.7648546144 |              | 1 | 0          | 0.8042328042 |       | 0.6205809932 |   |  | 4.123105626               | 7.516648189 |             | 0           | 2937.20956  | 5.099019514 | 2937.20956  | 14.00892573  |             |            | 6.22008391   | 15.9818937  | 1.46998329   | 0.68288025   | 24.92530414   | 0.0420005204  | 20.48282588   |             |  |  |
| 0.8300536673            | 0.7791304348 | 0.9682539683 |   | 0          | 0.8082191781 |       | 0.5597310742 |   |  | 4.123105626               | 6.08276253  |             | 1           | 2937.20956  | 6.605551275 | 2937.20956  | 11.10180166  |             |            | 6.44333415   | 14.92544577 | 1.52586462   | 0.63294615   | 24.80806525   | 0.0395840004  | 18.67793946   |             |  |  |
| 0.9696969697            | 0.8588744589 |              | 0 | 0          | 0.8306959155 |       | 0.6730799478 |   |  | 0.5                       | 1.802775638 | 2937.20956  |             | 2937.20956  | 3.354101966 | 2937.20956  | 10.04987562  |             |            | 6.41661601   | 19.55924695 | 0.73332689   | 0.4922897    | 24.86505421   | 0.0421335301  | 18.89997499   |             |  |  |
| 0.9401709402            | 0.8831168831 |              | 0 | 0          | 0.4251831182 |       | 0.352605203  |   |  | 1.118033989               | 2.061552813 | 2937.20956  |             | 2937.20956  | 13.20037878 | 2937.20956  | 8.015609771  |             |            | 6.44205866   | 15.16604142 | 0.71712513   | 0.493197201  | 24.75250742   | 0.03420916    | 22.06163873   |             |  |  |
| 0.8558241758            | 0.941991342  |              | 0 | 0          | 0.7874682472 |       | 0            | 0 |  | 4.031128874               | 1.118033989 | 2937.20956  |             | 2937.20956  | 3.640054945 | 2937.20956  | 24.58336612  |             |            | 6.41140097   | 18.82444792 | 0.7316315801 | 0.4830787099 | 24.78352546   | 0.0276443802  | 25.63207998   |             |  |  |
| 0.817826087             | 0.8747363981 |              | 0 | 0          | 0.690275192  |       | 0            | 0 |  | 4.609772229               | 2.692582404 | 2937.20956  |             | 2937.20956  | 6.020797289 | 2937.20956  | 44.010524345 |             |            | 6.41702083   | 16.62495501 | 0.71893274   | 0.51140951   | 24.84181112   | 0.0338934495  | 26.12467505   |             |  |  |
| 0.7279090114            | 0.7893864013 |              | 0 | 0          | 0.69527897   |       | 0            | 0 |  | 7.158910532               | 1.5         | 2937.20956  |             | 2937.20956  | 6.103277808 | 2937.20956  | 120.0843454  |             |            | 6.40611764   | 18.595147   | 0.73328719   | 0.51527213   | 24.68834299   | 0.0289808998  | 29.92770716   |             |  |  |
| 0.527233135             | 0.6829802776 |              | 0 | 0          | 0.6756972112 |       | 0            | 0 |  | 17.06604817               | 9.219544457 | 2937.20956  |             | 2937.20956  | 8.381527307 | 2937.20956  | 426.5917252  |             |            | 6.4628197    | 20.16858786 | 0.71841125   | 0.49771528   | 24.7208592    | 0.0292155004  | 40.99847728   |             |  |  |
| 0.5483549352            | 0.6320541761 |              | 0 | 0          | 0.5151219512 |       | 0            | 0 |  | 14.63728117               | 11.7686023  | 2937.20956  |             | 2937.20956  | 16.53027525 | 2937.20956  | 102.1383865  |             |            | 6.35474993   | 18.91603028 | 0.7373780201 | 0.49037132   | 24.74994798   | 0.0293979     | 41.54719342   |             |  |  |
| 0.6716109003            | 0.8117647059 |              | 0 | 0          | 0.7105541828 |       | 0            | 0 |  | 7.158910532               | 3.640054945 | 2937.20956  |             | 2937.20956  | 162.5492233 | 0.524937811 | 2937.20956   | 70.16988314 |            |              | 6.34779267  | 19.67412514  | 0.7243792    | 0.9633707     | 24.61361489   | 0.0295135005  | 37.29392958 |  |  |
| 0.627077597             | 0.790507365  |              | 0 | 0          | 0.7104166667 |       | 0.3801859125 |   |  | 7.017834424               | 4.031128874 | 2937.20956  |             | 2937.20956  | 0.5         | 2937.20956  | 16.03121954  |             |            | 6.46610767   | 16.55341791 | 0.74008005   | 0.76757931   | 24.58778235   | 0.0399127998  | 26.40184538   |             |  |  |
| 0.7104166667            | 0.790507365  |              | 0 | 0          | 0.7104166667 |       | 0.1980358389 |   |  | 5.024937811               | 4.031128874 | 2937.20956  |             | 2937.20956  | 2.061552813 | 2937.20956  | 37.16517187  |             |            | 6.37513596   | 17.12394149 | 0.7246092    | 0.76134355   | 24.83618244   | 0.0403550999  | 25.40524418   |             |  |  |
| 0.7104166667            | 0.790507365  |              | 0 | 0          | 0.7104166667 |       | 0            | 0 |  | 3.905124838               | 4.031128874 | 2937.20956  |             | 2937.20956  | 163.5924815 | 2.061552813 | 2937.20956   | 50.17220346 |            |              | 6.38520288  | 15.10613704  | 0.74187146   | 0.78882733    | 24.84212717   | 0.0403181     | 30.41621005 |  |  |
| 0.6910401648            | 0.7821086262 |              | 0 | 0          | 0.6003898635 |       | 0            | 0 |  | 6.946221995               | 4.609772229 | 2937.20956  |             | 2937.20956  | 11.01135777 | 2937.20956  | 248.9277003  |             |            | 6.37329596   | 18.60108456 | 0.80235702   | 0.66264424   | 24.73317985   | 0.0411586201  | 35.77170139   |             |  |  |
| 0.7104166667            | 0.8034270934 |              | 0 | 0          | 0.7104166667 |       | 0            | 0 |  | 5.220153254               | 4.031128874 | 2937.20956  |             | 2937.20956  | 4.272001873 | 2937.20956  | 139.9303197  |             |            | 6.43833913   | 15.76566395 | 0.73420109   | 0.50741196   | 24.86999524   | 0.04226914003 | 39.40022411   |             |  |  |
| 0.7104166667            | 0.7068543452 |              | 0 | 0          | 0.6910401648 |       | 0            | 0 |  | 2.5                       | 6.800735254 | 2937.20956  |             | 2937.20956  | 109.8203078 | 6.020797289 | 2937.20956   | 426.929151  |            |              | 6.3957161   | 17.99561986  | 0.73420109   | 0.88819054    | 24.78331824   | 0.02912551005 | 32.53822015 |  |  |
| 0.5345794393            | 0.4694415174 |              | 0 | 0          | 0.5345794393 |       | 0            | 0 |  | 15.40292818               | 18.5        | 2937.20956  |             | 2937.20956  | 15.00833102 | 2937.20956  | 400.8132358  |             |            | 6.42239077   | 17.93419287 | 0.7342375    | 0.67554978   | 25.06053447   | 0.03445763999 | 30.58976829   |             |  |  |
| 0.4454225352            | 0.389636273  |              | 0 | 0          | 0.4595555556 |       | 0            | 0 |  | 21.05305327               | 25.98557292 | 2937.20956  |             | 2937.20956  | 20.00624902 | 2937.20956  | 149.198693   |             |            | 6.43460943   | 17.506589   | 0.71971086   | 0.70000512   | 24.95113884   | 0.03565646999 | 31.68410242   |             |  |  |
| 0.6179401993            | 0.7222699914 |              | 0 | 0          | 0.6179401993 |       | 0            | 0 |  | 5.408326913               | 6.020797289 | 2937.20956  |             | 2937.20956  | 1.118033989 | 2937.20956  | 389.9840356  |             |            | 6.46923178   | 18.14549053 | 0.73753772   | 0.87844353   | 24.95439737   | 0.03626555997 | 19.5542732    |             |  |  |
| 0.5739299611            | 0.6165590135 |              | 0 | 0          | 0.5893909627 |       | 0.473238325  |   |  | 11.88486432               | 14.63728117 | 2937.20956  |             | 2937.20956  | 10.965861   | 2937.20956  | 24.05020777  |             |            | 6.47759797   | 17.93950554 | 0.71969615   | 0.69911921   | 24.72767579   | 0.0353427595  | 14.43300043   |             |  |  |
| 0.8676337262            | 0.7284861257 |              | 0 | 0          | 0.7531914894 |       | 0.4791400334 |   |  | 3.535532906               | 4.272001873 | 2937.20956  |             | 2937.20956  | 4.301162634 | 2937.20956  | 14.57737974  |             |            | 6.45620347   | 17.312748   | 1.47137022   | 0.71949106   | 24.86288919   | 0.0433514396  | 15.57861447   |             |  |  |
| 0.7941908714            | 0.6897905759 |              | 0 | 0          | 0.6354009077 |       | 0.6018412249 |   |  | 11.9570294                | 9.19238155  | 2937.20956  |             | 2937.20956  | 12.15705666 | 2937.20956  | 12.15705666  |             |            | 6.42154913   | 18.03010704 | 1.44616388   | 0.92057067   | 24.69238854   | 0.04329814001 | 19.01740515   |             |  |  |
| 0.8333333333            | 0.6935960591 | 0.8857142857 |   | 0          | 0.6278026906 |       | 0            | 0 |  | 6                         | 7.762087348 | 3           | 508.7366706 | 7.810246676 | 2937.20956  | 214.217763  |              |             | 6.45658087 | 18.33749305  | 1.46780119  | 0.91397141   | 24.52754194  | 0.04282423004 | 22.64610671   |               |             |  |  |
| 0.824352135             | 0.7663241631 |              | 0 | 0          | 0.7375287797 |       | 0            | 0 |  | 2.549509757               | 5.024937811 | 2937.20956  |             | 2937.20956  | 505.8035686 | 5.14781507  | 2937.20956   | 214.6310776 |            |              | 6.42797682  | 18.00579773  | 0.7187634399 | 0.89511181    | 24.83491671   | 0.04131242    | 23.08578533 |  |  |
| 0.7884841363            | 0.7266049186 |              | 0 | 0          | 0.5992994746 |       | 0            | 0 |  | 6.08276253                | 6.062257748 | 2937.20956  |             | 2937.20956  | 504.2323373 | 9.433981132 | 2937.20956   | 215.4727361 |            |              | 6.41879131  | 17.60105283  | 1.46839529   | 0.91516212    | 24.72112269   | 0.02868588002 | 23.71401532 |  |  |
| 0.7434135166            | 0.7138287421 |              | 0 | 0          | 0.5520054385 |       | 0            | 0 |  | 8.062257748               | 8.631338251 | 2937.20956  |             | 2937.20956  | 501.9651382 | 10.81665383 | 2937.20956   | 214.29944   |            |              | 6.3971016   | 17.46538864  | 1.54025538   | 0.8927545801  | 24.68322415   | 0.03063762    | 22.6761686  |  |  |
| 0.721719457             | 0.6973434535 | 0.8119047619 |   | 0          | 0.6157112527 |       | 0            | 0 |  | 9.055385139               | 9.708243919 | 4           | 496.7466658 | 8.602352637 | 2937.20956  | 217.3114225 |              |             | 6.40364109 | 17.58663848  | 1.47104271  | 0.9024928    | 24.74498721  | 0.03479215004 | 22.36103505   |               |             |  |  |
| 0.7434135166            | 0.6748987952 | 0.8119047619 |   | 0          | 0.6873614191 |       | 0            | 0 |  | 8                         | 10.1187421  | 4.123105626 |             | 495.8059423 | 6.403124237 | 2937.20956  | 220.3548275  |             |            | 6.38406719   | 17.74583245 | 1.45087892   | 0.9036825099 | 24.85536536   | 0.03547915003 | 21.64275131   |             |  |  |
| 0.7884841363            | 0.6925418569 | 0.8119047619 |   | 0          | 0.5832177531 |       | 0            | 0 |  | 6                         | 9.124143795 | 3           | 494.25196   | 10.29563014 | 2937.20956  | 214.29944   |              |             | 6.38884927 | 16.8349242   | 1.47007871  | 0.85061936   | 24.85680686  | 0.03568455999 | 19.02223105   |               |             |  |  |
| 0.7884841363            | 0.6925418569 | 0.8119047619 |   | 0          | 0.6157112527 |       | 0            | 0 |  | 6                         | 9.124143795 | 3.16227766  |             | 495.8059423 | 9.848587802 | 2937.2095   |              |             |            |              |             |              |              |               |               |               |             |  |  |



| Bounding box match rate |               |              |              |               |              |              | Center to center distance |             |              |              |             |              |              | Time demands |              |              |              |             |               |               |             |
|-------------------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------------------|-------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|---------------|---------------|-------------|
| Boosting                | CSRT          | KCF          | MedianFlow   | MIL           | MOSSE        | TLD          | Boosting                  | CSRT        | KCF          | MedianFlow   | MIL         | MOSSE        | TLD          | Boosting     | CSRT         | KCF          | MedianFlow   | MIL         | MOSSE         | TLD           |             |
| 0.9661016949            | 0.9827586207  |              | 1            | 0.9736951762  | 0.8833948339 | 0.8861111111 | 0.7183356876              | 1           | 0.5          | 0            | 1           | 1.414213562  | 0            | 3.605551275  | 4.98545553   | 14.23810868  | 0.95701687   | 0.86632523  | 24.59396238   | 0.046258      | 23.79803649 |
| 0.9090909091            | 0.9090909091  | 0.9090909091 | 0.9090982788 | 0.8333333333  | 0.8784722222 | 0.5744899122 | 0.7071067812              | 1.58113883  | 1.58113883   | 0.7071067812 | 1.58113883  | 0.7071067812 | 10.79351657  | 4.91630959   | 12.84847002  | 0.9498330999 | 1.004012     | 24.52213049 | 0.0466238999  | 24.37513095   |             |
| 0.9249249249            | 0.9249249249  | 0.9249249249 | 0.9249389978 | 0.8472622478  | 0.8944444444 | 0.5993256571 | 1.118033989               | 1.118033989 | 0.5          | 0.5          | 1.802775638 | 0.5          | 9.823441352  | 4.96148898   | 13.35986686  | 0.96159651   | 0.85497929   | 24.53831083 | 0.04573578997 | 24.30704945   |             |
| 0.9011299435            | 0.8873435327  | 0.9011299435 | 0.9053572714 | 0.8720445063  | 0.9833333333 | 0.4312354312 |                           | 0.5         | 1            | 0.5          | 1.118033989 | 1.802775638  | 0.5          | 18.52700731  | 5.12380632   | 12.57401256  | 0.94783156   | 0.78439314  | 24.37807729   | 0.0462219995  | 24.490538   |
| 0.9247787611            | 0.8822751323  | 0.9247787611 | 0.9427749115 | 0.9247787611  | 0.9263888889 | 0.7796101949 | 1.118033989               | 1.58113883  | 1.118033989  | 1            | 1.118033989 |              | 0.5          | 3.041381265  | 5.1685775    | 16.5127081   | 0.96198213   | 0.86871614  | 24.45707289   | 0.07065645004 | 24.77587302 |
| 0.8936484449            | 0.7738693467  | 0.9249249249 | 0.9001629088 | 0.7277628032  | 0.8944444444 | 0.724700617  | 2.061552813               | 1.5         | 1.118033989  | 1.58113883   | 3.905124838 | 1.118033989  | 5.220153254  | 5.00832608   | 15.37652654  | 0.9472454699 | 0.84795982   | 24.47266343 | 0.0708697005  | 25.1030757    |             |
| 0.8725212465            | 0.7569284065  | 0.9021582734 | 0.9023425481 | 0.8725212465  |              |              | 1.5                       | 2.5         | 1.118033989  | 1.118033989  | 1.802775638 | 0.5          | 2.5          | 5.01611527   | 13.22029617  | 1.00204586   | 0.94992452   | 24.47509632 | 0.04634160003 | 25.0325997    |             |
| 0.8982300885            | 0.714532872   | 0.8982300885 | 0.9142552222 | 0.7486413043  | 0.9013888889 | 0.8012326656 | 1.118033989               | 3.201562119 | 1.118033989  | 0.5          | 3.041381265 | 1.118033989  | 2.692582404  | 5.04450867   | 14.97508885  | 0.94599655   | 0.9019889    | 24.58628298 | 0.0463137     | 25.12525984   |             |
| 0.9403095063            | 0.7108433735  | 0.9403095063 | 0.9292947365 | 0.7402511566  | 0.9423611111 | 0.7582711524 | 0.7071067812              | 3.605551275 | 0.7071067812 | 0.5          | 3.53533906  | 0.7071067812 | 2.5495009757 | 5.04778961   | 13.85043698  | 0.98624627   | 0.85656581   | 24.53292438 | 0.04595188002 | 25.03063808   |             |
| 0.9403095063            | 0.8101492537  | 0.9093546048 | 0.9303294048 | 0.8335654596  | 0.9423611111 | 0.7615681281 | 0.7071067812              | 3.16227766  | 1.58113883   | 0.7071067812 | 2.121320344 | 0.7071067812 | 1.58113883   | 5.04986563   | 17.1295154   | 0.9481002799 | 0.911866     | 24.67804509 | 0.04624609996 | 24.94589671   |             |
| 0.8437935844            | 0.7569284065  | 0.9021582734 | 0.9026706954 | 0.7756883815  |              |              | 2.5                       | 3.354101966 | 1.118033989  | 1            | 3.201562119 | 0.5          | 4.609772229  | 5.0634126    | 14.04445837  | 0.9606517    | 1.05821208   | 24.7570441  | 0.04467947998 | 24.88196979   |             |
| 0.8159340659            | 0.7136150235  | 0.9021582734 | 0.9021527918 | 0.8010899183  | 0.95         | 0.6992187277 |                           | 3.5         | 4.272001873  | 0.5          | 1.118033989 | 2.5          | 0.5          | 4.609772229  | 5.06387729   | 16.05425769  | 0.9464783601 | 0.86410048  | 24.63587426   | 0.04507209    | 24.00268546 |
| 0.8150470219            | 0.5882352941  | 0.787037037  | 0.7782907707 | 0.7439759036  | 0.7222222222 | 0.8721872187 |                           | 2           | 6.32455532   |              | 3.535333906 | 2.236067977  | 3            | 1.414213562  | 5.05736383   | 12.2162547   | 0.9601187    | 0.97923764  | 24.7913508    | 0.04627770999 | 24.06994712 |
| 0.7735109718            | 0.5148669797  | 0.7447956823 | 0.7242651862 | 0.6518248175  | 0.6854166667 | 0.4614275415 | 3.535333906               | 10.19803903 | 6.519202405  | 6.576473219  | 4.301162634 | 5.522680509  | 17.5071414   | 5.08868486   | 14.27327709  | 0.94626486   | 1.02667073   | 24.80086046 | 0.02183942997 | 23.81072129   |             |
| 0.6269592476            | 0.4173187272  | 0.6018518519 | 0.5959097741 | 0.5775075988  | 0.5555555556 | 0.5116489833 | 7                         | 12.58967831 | 10.04987562  | 9.552486587  | 4.472135955 |              | 9            | 5.24618316   | 13.06231828  | 0.9607183    | 0.85050495   | 24.73733245 | 0.02196534006 | 23.58197219   |             |
| 0.5329153605            | 0.3281853282  | 0            | 0.5233256766 | 0.4553571429  | 0            | 0.5485289198 | 8                         | 12.36931688 | 2937.20956   | 12.04159458  | 5.830951895 | 2937.20956   | 12.5         | 5.1185003    | 12.10724169  | 0.95400435   | 0.85010506   | 24.60947165 | 0.02176032998 | 24.9427862    |             |
| 0.3829787234            | 0.29          | 0            | 0.446936744  | 0.3829787234  | 0            | 0.5448751498 | 10.12422837               | 6.5         | 2937.20956   | 15.07481343  | 5.700877125 | 2937.20956   | 9.513148795  | 5.19189727   | 11.19688337  | 0.50114342   | 0.94141273   | 24.75901201 | 0.03298395    | 24.98024694   |             |
| 0.3651037663            | 0.2130492676  | 0            | 0.4253695441 | 0.3393665158  | 0            | 0.4399370563 | 5.852349955               | 27.00462923 | 2937.20956   | 12.5         | 11.88486432 | 2937.20956   | 6.32455532   | 5.17545991   | 12.33447554  | 0.48625638   | 0.96836433   | 24.85308038 | 0.03224365006 | 25.63960233   |             |
| 0.2054380665            | 0.1523809524  | 0            | 0.2772242491 | 0.1769911504  | 0            | 0            | 4.472135955               | 25.51960031 | 2937.20956   | 10.11187421  | 20.88061302 | 2937.20956   | 385.2716574  | 5.18198288   | 10.66231654  | 0.53080274   | 0.85686001   | 24.92268669 | 0.02176724003 | 24.59474809   |             |
| 0.1332288401            | 0.07613076579 | 0            | 0.1668806378 | 0.1017975498  | 0            | 0            | 9.013878189               | 19.60229578 | 2937.20956   | 6.800735254  | 18.82153022 | 2937.20956   | 389.2923066  | 5.1931662    | 11.41701595  | 0.48554466   | 1.11232147   | 24.72963229 | 0.02227044002 | 24.91541059   |             |
| 0                       | 0.01857142857 | 0            | 0.0426420273 | 0.03056426332 | 0            | 0            | 32.59601203               | 17.86756839 | 2937.20956   | 3.201562119  | 12.74754878 | 2937.20956   | 318.4846935  | 5.23149321   | 12.705952243 | 0.53274817   | 0.9354468599 | 24.94094191 | 0.02184933001 | 24.58392708   |             |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.24324015   | 11.09621358  | 0.48334115   | 0.98897725  | 24.86042871   | 0.02216164001 | 24.29834132 |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.21757947   | 13.1249266   | 0.49732669   | 0.97724312  | 24.60667307   | 0.02246523996 | 23.65544274 |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.18474892   | 10.91345957  | 0.48308272   | 0.86147967  | 24.91040188   | 0.02209713995 | 23.52435265 |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.22121681   | 11.33232512  | 0.49752059   | 1.01504511  | 24.82995738   | 0.02478727001 | 23.21967411 |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.19605996   | 11.69278048  | 0.48776039   | 0.89802515  | 24.96755312   | 0.03028492996 | 23.59115369 |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.17844867   | 13.48684122  | 0.49928931   | 0.88450351  | 24.88880554   | 0.02230635    | 23.75984904 |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.18751227   | 11.80846794  | 0.48335143   | 0.86808985  | 24.82567412   | 0.02339694001 | 23.75347542 |
| 0                       | 0             | 0            | 1            | 0             | 0            | 1            | 0                         | 2937.20956  | 2937.20956   | 0            | 2937.20956  | 2937.20956   | 0            | 2937.20956   | 5.18017679   | 12.56143644  | 0.49656168   | 0.89500593  | 24.86644322   | 0.02295775004 | 23.72668757 |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0            | 122.1239125               | 73.36381942 | 2937.20956   | 113.9407741  | 128.3598457 | 2937.20956   | 235.1276249  | 5.17976739   | 12.5449756   | 0.48265583   | 0.84333977   | 24.76978535 | 0.02225354001 | 23.41218621   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0            | 133.5234062               | 78.23042886 | 2937.20956   | 118.2962383  | 132.183584  | 2937.20956   | 225.1854791  | 5.20101014   | 14.19573951  | 0.4991045099 | 0.84795672   | 24.77952572 | 0.02173392997 | 23.27461855   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0            | 132.0151506               | 82.84020763 | 2937.20956   | 123.3288287  | 133.9589489 | 2937.20956   | 79.906195    | 5.23153265   | 11.16099094  | 0.48383294   | 0.9176778801 | 24.76032627 | 0.02176681999 | 22.74103564   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0            |                           | 141.5       | 89.16978188  | 2937.20956   | 128.554632  | 139.0008993  | 2937.20956   | 5.22866771   | 11.45882501  | 0.49728519   | 0.83282177   | 24.77424358 | 0.02182892997 | 21.86630643   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.4240748057 | 142.5008772               | 93.74433316 | 2937.20956   | 132.6537627  | 143.2358195 | 2937.20956   | 8.860022573  | 5.21603749   | 12.77714303  | 0.48586747   | 0.85500609   | 24.85803004 | 0.02191403997 | 22.28073272   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.5296521755 | 149.0075501               | 99.71083191 | 2937.20956   | 137.8160005  | 149.5234095 | 2937.20956   | 6.5          | 5.2169003    | 12.86268511  | 0.49992362   | 0.86737035   | 24.70538305 | 0.02193713997 | 22.73433237   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.8256107835 | 143.5008711               | 104.3072385 | 2937.20956   | 141.4443353  | 150.9784753 | 2937.20956   | 0.7071067812 | 5.21896222   | 15.27387586  | 0.48492825   | 0.84011262   | 24.59918779 | 0.02215702996 | 23.07350128   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.698005698  | 163.1962009               | 109.2886087 | 2937.20956   | 146.4283101  | 155.7086002 | 2937.20956   | 5            | 5.25141088   | 15.49110081  | 0.4982534    | 0.85074666   | 24.79270912 | 0.02194303997 | 23.31601905   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.6953756955 | 163.1962009               | 117.3456433 | 2937.20956   | 154.5056633  | 164.2010962 | 2937.20956   | 5            | 5.2626756    | 18.0385103   | 0.4853121599 | 0.88448231   | 24.99932118 | 0.02182472999 | 23.56752362   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.6602932449 | 165.9254351               | 126.207171  | 2937.20956   | 162.8688122  | 171.3541654 | 2937.20956   | 5.024937811  | 5.28234641   | 13.07397097  | 0.49940881   | 0.8362659101 | 24.59563952 | 0.02196943999 | 23.57578206   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.6345739379 | 165.9254351               | 133.5149804 | 2937.20956   | 170.4794709  | 177.4154728 | 2937.20956   | 6.020797289  | 5.35486509   | 12.91393751  | 0.48539376   | 0.83571729   | 24.82707826 | 0.02178133    | 23.72104676   |             |
| 0                       | 0             | 0            | 0            | 0             | 0            | 0.7052996659 | 167.0276923               | 144.1466267 | 2937.20956   | 179.9562447  | 185.1951673 | 2937.20956   | 5.024937811  | 5.35234277   | 14.93382809  | 0.49835349   | 1.03281811   | 24.66810631 | 0.02178672999 | 23.45875457   |             |
| >0.5 (%)                | 39            | 34           | 56           | 39            | 37           | 56           |                           |             |              |              |             |              |              |              |              |              |              |             |               |               |             |

| Bounding box match rate |              |              |              |              |              |              | Center to center distance |             |             |              |              |              |              | Time demands |             |              |              |              |               |               |            |             |              |              |              |               |             |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|---------------|---------------|------------|-------------|--------------|--------------|--------------|---------------|-------------|
| Boosting                | CSRT         | KCF          | MedianFlow   | MIL          | MOSSE        | TLD          | Boosting                  | CSRT        | KCF         | MedianFlow   | MIL          | MOSSE        | TLD          | Boosting     | CSRT        | KCF          | MedianFlow   | MIL          | MOSSE         | TLD           | Boosting   | CSRT        | KCF          | MedianFlow   | MIL          | MOSSE         | TLD         |
| 0.966666667             | 1            | 1            | 0.974598562  | 0.8619329389 | 0.9833333333 | 0.7035430224 | 1                         | 0           | 0           | 0.7071067812 | 2.236067977  | 0.5          | 5            | 5.352319     | 12.6880972  | 0.94230445   | 0.862346     | 24.9930067   | 0.04917414997 | 21.54759216   | 5.352319   | 12.6880972  | 0.94230445   | 0.862346     | 24.9930067   | 0.04917414997 | 21.54759216 |
| 0.9180327869            | 0.9830508475 | 0.9830508475 | 0.9266593448 | 0.875751503  | 0.966666667  | 0.7316530764 | 2.5                       | 0.5         | 0.5         | 0.7071067812 | 1.802775638  | 0            | 3.354101966  | 5.12009484   | 13.03089599 | 0.98910416   | 0.9865878701 | 24.83566428  | 0.05348240004 | 22.45794041   | 5.12009484 | 13.03089599 | 0.98910416   | 0.9865878701 | 24.83566428  | 0.05348240004 | 22.45794041 |
| 0.9286190794            | 0.96         | 0.96         | 0.9244376724 | 0.8982271832 | 0.9446297532 | 0.735638184  | 1.118033989               | 0.5         | 0.5         | 1.414213562  | 2.061552813  | 0.7071067812 | 0.7169905696 | 5.10105442   | 13.25077753 | 0.94068892   | 0.8599649699 | 24.77617682  | 0.04547858996 | 22.80073233   | 5.10105442 | 13.25077753 | 0.94068892   | 0.8599649699 | 24.77617682  | 0.04547858996 | 22.80073233 |
| 0.899047619             | 0.9177027827 | 0.899047619  | 0.9212823957 | 0.899047619  | 0.9142857143 | 0.7795612296 | 2.061552813               | 1.58113883  | 2.061552813 | 1.414213562  | 1.118033989  | 1.58113883   | 2.828427125  | 5.11476497   | 14.30918854 | 0.92757638   | 1.01367599   | 24.72457008  | 0.04658592006 | 23.57992791   | 5.11476497 | 14.30918854 | 0.92757638   | 1.01367599   | 24.72457008  | 0.04658592006 | 23.57992791 |
| 0.8381717109            | 0.8961493582 | 0.8381717109 | 0.9088460484 | 0.7735399285 | 0.8518518519 | 0.8769782817 | 1.414213562               | 1.414213562 | 1.414213562 | 0.5          | 2.236067977  | 1.118033989  | 4.609772229  | 5.13645592   | 13.71410476 | 0.94472417   | 0.95694504   | 24.81905113  | 0.05104237003 | 24.12809229   | 5.13645592 | 13.71410476 | 0.94472417   | 0.95694504   | 24.81905113  | 0.05104237003 | 24.12809229 |
| 0.838501292             | 0.8224299065 | 0.838501292  | 0.8278067828 | 0.838501292  | 0.8516129032 | 0.727407658  | 1                         | 1           | 0.5         | 1            | 0.5          | 1            | 0.5          | 4.301162634  | 5.18481266  | 13.31188982  | 0.923252285  | 0.86960217   | 24.71660091   | 0.05302139994 | 5.18481266 | 13.31188982 | 0.923252285  | 0.86960217   | 24.71660091  | 0.05302139994 | 24.30275527 |
| 0.86049461              | 0.7758173326 | 0.86049461   | 0.8405590065 | 0.793398533  | 0.8745247148 | 0.7513273542 | 1.58113883                | 2.5         | 1.58113883  | 0            | 1.58113883   | 0.5          | 3.905124838  | 5.19192195   | 13.68282853 | 0.9389002289 | 0.8629897999 | 24.897919194 | 0.05391818995 | 24.76176618   | 5.19192195 | 13.68282853 | 0.9389002289 | 0.8629897999 | 24.897919194 | 0.05391818995 | 24.76176618 |
| 0.8267515924            | 0.7051969674 | 0.8267515924 | 0.7879504683 | 0.7605893186 | 0.8396946565 | 0.6845802763 | 0.5                       | 2.915475947 | 1.802775638 | 0.7071067812 | 2.061552813  | 1            | 4.242640687  | 5.23461071   | 12.6891866  | 0.92640757   | 0.9617358    | 24.8871734   | 0.04851272999 | 24.00374252   | 5.23461071 | 12.6891866  | 0.92640757   | 0.9617358    | 24.8871734   | 0.04851272999 | 24.00374252 |
| 0.793398533             | 0.745951417  | 0.793398533  | 0.7679790216 | 0.793398533  | 0.8058608059 | 0.701296683  | 1                         | 2           | 2.236067977 | 1.118033989  | 0            | 1.118033989  | 4.301162634  | 5.2876098    | 14.91359276 | 0.93744201   | 0.86028526   | 24.76919399  | 0.04796813999 | 24.70912113   | 5.2876098  | 14.91359276 | 0.93744201   | 0.86028526   | 24.76919399  | 0.04796813999 | 24.70912113 |
| 0.824422843             | 0.7790697674 | 0.824422843  | 0.7843655334 | 0.824422843  | 0.8378670674 | 0.6317313866 | 0.5                       | 2.061552813 | 2.061552813 | 0.5          | 0.5          | 0.7071067812 | 9.5          | 5.27489146   | 11.08725242 | 0.91985759   | 1.02851764   | 24.86745554  | 0.0464221998  | 25.146353     | 5.27489146 | 11.08725242 | 0.91985759   | 1.02851764   | 24.86745554  | 0.0464221998  | 25.146353   |
| 0.8676470588            | 0.7816091954 | 0.8676470588 | 0.7899698076 | 0.8024837374 | 0.8823529412 | 0.6460238054 | 1.5                       | 2.5         | 1.5         | 0.7071067812 | 1.118033989  | 0            | 10.0124922   | 5.28402097   | 13.68703119 | 0.99034578   | 0.82005234   | 24.8539372   | 0.04869553995 | 25.3530432    | 5.28402097 | 13.68703119 | 0.99034578   | 0.82005234   | 24.8539372   | 0.04869553995 | 25.3530432  |
| 0.8309859155            | 0.7954545455 | 0.8309859155 | 0.7930015336 | 0.8309859155 | 0.8450704225 | 0.6429415738 | 3                         | 1.58113883  | 0           | 0.5          | 2            | 1.5          | 10.51189802  | 5.2790137    | 11.95621306 | 0.92027929   | 0.7994148    | 24.87744139  | 0.0539993     | 25.4691931    | 5.2790137  | 11.95621306 | 0.92027929   | 0.7994148    | 24.87744139  | 0.0539993     | 25.4691931  |
| 0.7108433735            | 0.8206195099 | 0.7108433735 | 0.8196789759 | 0.7108433735 | 0.722513089  | 0.6502170329 | 3.807886553               | 2.828427125 | 1.58113883  | 1.5          | 1.58113883   | 1.802775638  | 10.19803903  | 5.30355319   | 13.87933563 | 0.9386917    | 0.84405149   | 24.90532551  | 0.04813564003 | 25.74227166   | 5.30355319 | 13.87933563 | 0.9386917    | 0.84405149   | 24.90532551  | 0.04813564003 | 25.74227166 |
| 0.7206585236            | 0.7559055118 | 0.7206585236 | 0.7538090102 | 0.7206585236 | 0.7324840764 | 0.6780015039 | 2.692582404               | 3.201562119 | 1.118033989 | 1.414213562  | 1.802775638  | 1            | 9.124143795  | 5.2960258    | 11.67707016 | 0.92432884   | 1.02379489   | 24.87870083  | 0.04661282997 | 23.70078866   | 5.2960258  | 11.67707016 | 0.92432884   | 1.02379489   | 24.87870083  | 0.04661282997 | 23.70078866 |
| 0.7072927073            | 0.8273757629 | 0            | 0.8234747    | 0.7072927073 | 0.7192807193 | 0.6732533571 | 4.123105626               | 2.236067977 | 2937.20956  | 0.5          | 1            | 2.5          | 10.06800172  | 5.27502667   | 14.85437974 | 0.93818549   | 0.8534126999 | 24.8203914   | 0.04657751    | 23.55498573   | 5.27502667 | 14.85437974 | 0.93818549   | 0.8534126999 | 24.8203914   | 0.04657751    | 23.55498573 |
| 0.6723646724            | 0.8136986301 | 0            | 0.8248553164 | 0.6723646724 | 0.6837606838 | 0.5833013921 | 3.807886553               | 2.915475947 | 2937.20956  | 1.58113883   | 0.7071067812 | 2.061552813  | 13.50925609  | 5.27223405   | 14.01336514 | 0.92142962   | 1.09151325   | 24.68117987  | 0.04745623002 | 23.94226276   | 5.27223405 | 14.01336514 | 0.92142962   | 1.09151325   | 24.68117987  | 0.04745623002 | 23.94226276 |
| 0.6344086022            | 0.7860465116 | 0            | 0.7811908772 | 0.6807692308 | 0.6923076923 | 0.4712226241 | 5.852349955               | 3.354101966 | 2937.20956  | 1.58113883   | 1.118033989  | 3.16227766   | 21.02379604  | 5.27330657   | 11.12082132 | 0.93982333   | 0.86506472   | 24.9800131   | 0.04831134997 | 24.76035608   | 5.27330657 | 11.12082132 | 0.93982333   | 0.86506472   | 24.9800131   | 0.04831134997 | 24.76035608 |
| 0.6474622771            | 0.7416550765 | 0            | 0.7718952061 | 0.6474622771 | 0.658436214  | 0.507465821  | 5.220153254               | 3.905124838 | 2937.20956  | 1.414213562  | 2.061552813  | 1.58113883   | 19.5064902   | 5.28820651   | 11.6601972  | 0.92222162   | 0.86927358   | 24.96350662  | 0.04663151994 | 25.2828727    | 5.28820651 | 11.6601972  | 0.92222162   | 0.86927358   | 24.96350662  | 0.04663151994 | 25.2828727  |
| 0.5882841712            | 0.806108442  | 0            | 0.8221186714 | 0.5882841712 | 0.5982550893 | 0.5212520096 | 7.433034374               | 3.53533906  | 2937.20956  | 1.118033989  | 1.118033989  | 2.549509757  | 20.5405929   | 5.27607779   | 11.19146701 | 0.93945051   | 1.06429224   | 25.18357518  | 0.04888784002 | 25.76255446   | 5.27607779 | 11.19146701 | 0.93945051   | 1.06429224   | 25.18357518  | 0.04888784002 | 25.76255446 |
| 0.5949579832            | 0.742081448  | 0            | 0.753982388  | 0.5949579832 | 0.6050420168 | 0.4502965651 | 7.280109889               | 3.807886553 | 2937.20956  | 2.061552813  | 1.414213562  | 1.5          | 26.5         | 5.27897179   | 13.19831262 | 0.92596956   | 0.8997479    | 25.05285326  | 0.05446821    | 26.81912352   | 5.27897179 | 13.19831262 | 0.92596956   | 0.8997479    | 25.05285326  | 0.05446821    | 26.81912352 |
| 0.5255615802            | 0.7865676461 | 0            | 0.7740935483 | 0.5612366231 | 0.5707491082 | 0.4463211573 | 9.656603958               | 3.201562119 | 2937.20956  | 1.414213562  | 1.5          | 2.549509757  | 28.00446638  | 5.28956673   | 14.25751227 | 0.94000731   | 0.8700658901 | 25.23747121  | 0.05439651002 | 25.87677375   | 5.28956673 | 14.25751227 | 0.94000731   | 0.8700658901 | 25.23747121  | 0.05439651002 | 25.87677375 |
| 0.5880398671            | 0.7515605493 | 0            | 0.7108726478 | 0.5880398671 | 0.5980066445 | 0.4160890062 | 5                         | 1.802775638 | 2937.20956  | 0.7071067812 | 2.061552813  | 3            | 28.5         | 5.29546598   | 11.99667084 | 0.92233061   | 1.23510375   | 25.01876188  | 0.04857553999 | 25.00952626   | 5.29546598 | 11.99667084 | 0.92233061   | 1.23510375   | 25.01876188  | 0.04857553999 | 25.00952626 |
| 0.5356688414            | 0.7388535032 | 0            | 0.735943748  | 0.5356688414 | 0.5456612353 | 0.432052792  | 9.013878189               | 3.16227766  | 2937.20956  | 1.118033989  | 2.5          | 2.549509757  | 29.01723626  | 5.30337199   | 13.68657304 | 0.99460674   | 1.02942425   | 24.78374269  | 0.04741591998 | 23.57929573   | 5.30337199 | 13.68657304 | 0.99460674   | 1.02942425   | 24.78374269  | 0.04741591998 | 23.57929573 |
| 0.5250278087            | 0.7013021525 | 0            | 0.7107056064 | 0.5250278087 | 0.5339265851 | 0.4252635437 | 11.01135777               | 3.605551275 | 2937.20956  | 1.802775638  | 2.692582404  | 2.549509757  | 29.5         | 5.37176934   | 13.96596224 | 0.92129931   | 1.02647973   | 25.1880135   | 0.04718643002 | 25.96749139   | 5.37176934 | 13.9        |              |              |              |               |             |