

(a) MaF, $FE = 120$, $D = 150$, IGDp, MOEA

| | M | EDNARMOEA | SFADEVRandom | XGBEA | SAEADBLmaxFE500 | EDNARMOEA _v NDCCD |
|----------------|-----|---------------------|---------------------|---------------------|---------------------|------------------------------|
| DTLZ1 | 3 | 2.486e+03 - | 9.252e+02 + | 1.393e+03 + | 7.182e+02 + | 2.409e+03 |
| | 4 | 2.259e+03 \approx | 8.331e+02 + | 1.613e+03 + | 6.588e+02 + | 2.228e+03 |
| | 6 | 1.894e+03 \approx | 8.669e+02 + | 1.853e+03 + | 5.702e+02 + | 1.920e+03 |
| DTLZ2 | 3 | 5.957e+00 - | 5.173e-01 + | 2.249e+00 + | 3.352e-01 + | 4.862e+00 |
| | 4 | 6.010e+00 \approx | 9.847e-01 + | 2.401e+00 + | 5.095e-01 + | 5.901e+00 |
| | 6 | 5.999e+00 \approx | 8.908e-01 + | 2.790e+00 + | 6.955e-01 + | 6.056e+00 |
| DTLZ3 | 3 | 8.359e+03 - | 2.258e+03 + | 3.954e+03 + | 2.295e+03 + | 7.532e+03 |
| | 4 | 8.184e+03 \approx | 2.333e+03 + | 4.699e+03 + | 2.234e+03 + | 8.151e+03 |
| | 6 | 7.939e+03 \approx | 2.215e+03 + | 6.752e+03 + | 2.002e+03 + | 8.063e+03 |
| DTLZ4 | 3 | 6.301e+00 - | 6.399e-01 + | 2.797e+00 + | 7.760e-01 + | 5.277e+00 |
| | 4 | 6.334e+00 - | 7.846e-01 + | 3.164e+00 + | 9.250e-01 + | 6.180e+00 |
| | 6 | 6.282e+00 \approx | 7.940e-01 + | 4.187e+00 + | 1.048e+00 + | 6.280e+00 |
| WFG4 | 3 | 4.924e-01 - | 4.478e-01 + | 4.758e-01 \approx | 3.853e-01 + | 4.769e-01 |
| | 4 | 6.503e-01 + | 7.667e-01 - | 6.023e-01 + | 6.733e-01 \approx | 6.571e-01 |
| | 6 | 1.427e+00 - | 1.640e+00 - | 9.485e-01 + | 1.448e+00 - | 1.276e+00 |
| WFG5 | 3 | 7.203e-01 - | 2.686e-01 + | 5.744e-01 + | 1.919e-01 + | 6.024e-01 |
| | 4 | 8.915e-01 - | 6.979e-01 + | 7.689e-01 \approx | 5.147e-01 + | 7.788e-01 |
| | 6 | 1.589e+00 - | 1.587e+00 - | 1.246e+00 + | 1.463e+00 - | 1.356e+00 |
| WFG6 | 3 | 8.996e-01 - | 3.552e-01 + | 7.909e-01 + | 5.653e-01 + | 8.312e-01 |
| | 4 | 1.072e+00 - | 6.189e-01 + | 9.940e-01 + | 7.615e-01 + | 1.011e+00 |
| | 6 | 1.632e+00 - | 1.240e+00 + | 1.404e+00 + | 1.192e+00 + | 1.557e+00 |
| WFG7 | 3 | 6.637e-01 - | 5.255e-01 + | 6.735e-01 - | 4.706e-01 + | 6.215e-01 |
| | 4 | 8.113e-01 - | 8.233e-01 - | 8.242e-01 - | 7.491e-01 + | 7.884e-01 |
| | 6 | 1.329e+00 - | 1.613e+00 - | 1.221e+00 + | 1.500e+00 - | 1.297e+00 |
| WFG8 | 3 | 7.065e-01 - | 6.226e-01 \approx | 5.455e-01 + | 5.302e-01 + | 6.418e-01 |
| | 4 | 8.945e-01 - | 9.378e-01 - | 7.194e-01 + | 8.656e-01 - | 8.342e-01 |
| | 6 | 1.584e+00 - | 1.760e+00 - | 1.131e+00 + | 1.678e+00 - | 1.501e+00 |
| WFG9 | 3 | 9.321e-01 - | 4.247e-01 + | 9.217e-01 - | 4.404e-01 + | 8.850e-01 |
| | 4 | 1.179e+00 - | 8.335e-01 + | 1.087e+00 + | 7.391e-01 + | 1.146e+00 |
| | 6 | 2.118e+00 - | 1.589e+00 + | 1.536e+00 + | 1.477e+00 + | 1.953e+00 |
| +/-/ \approx | | 1/22/7 | 22/7/1 | 25/3/2 | 24/5/1 | - |
| Average Rank | | 4.4667 | 2.4667 | 2.7000 | 1.7667 | 3.6000 |