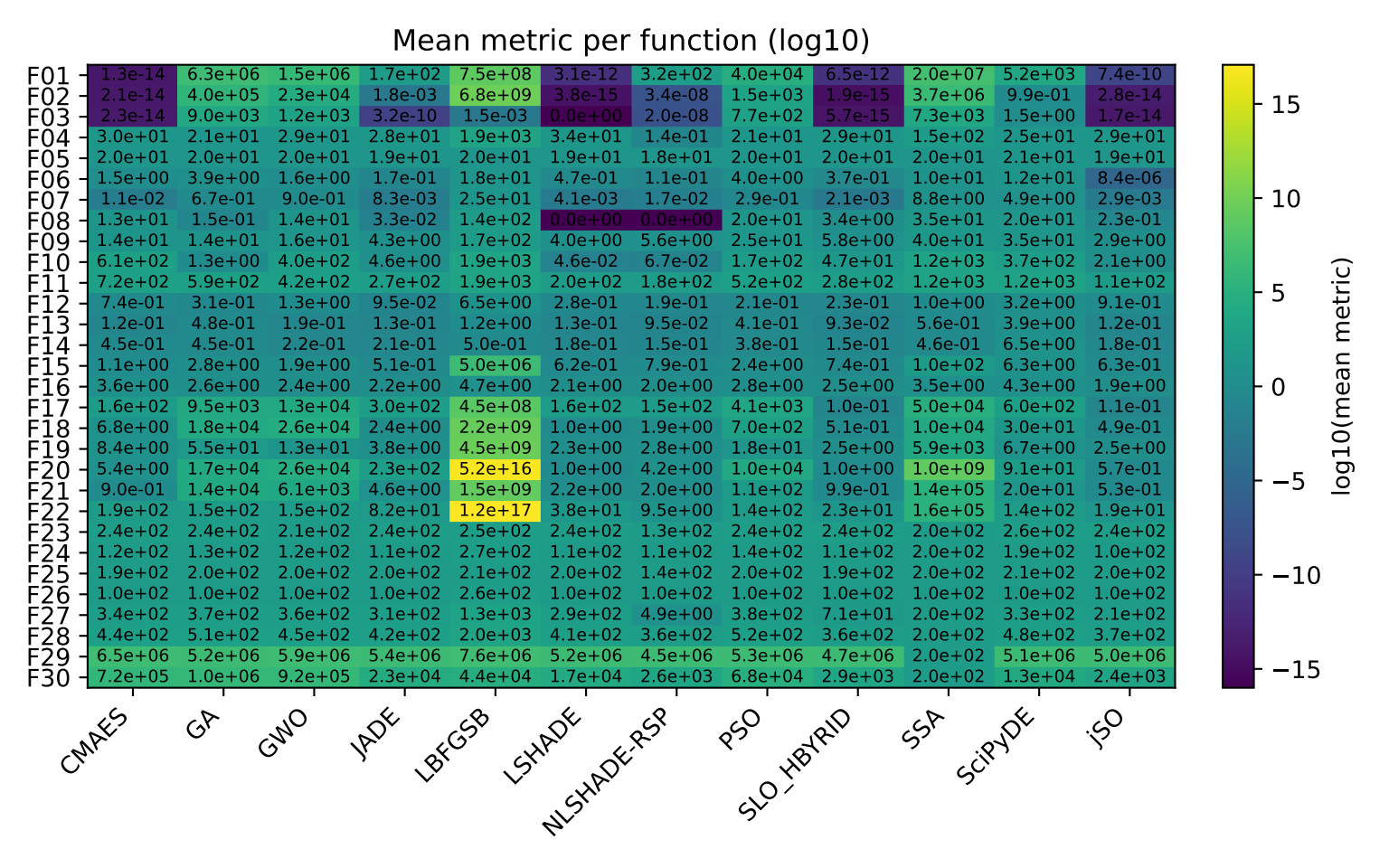
Mean metric per function (log10)
F01 1.3e-14 6.3e+06 1.5e+06 1.7e+02 7.5e+08 3.1e-12 3.2e+02 4.0e+04 6.5e-12 2.0e+07 5.2e+03 7.4e-10
F02 2.1e-14 4.0e+05 2.3e+04 1.8e-03 6.8e+09 3.8e-15 3.4e-08 1.5e+03 1.9e-15 3.7e+06 9.9e-01 2.8e-14
F03 2.3e-14 9.0e+03 1.2e+03 3.2e-10 1.5e-03 0.0e+00 2.0e-08 7.7e+02 5.7e-15 7.3e+03 1.5e+00 1.7e-14
F04 3.0e+01 2.1e+01 2.9e+01 2.8e+01 1.9e+03 3.4e+01 1.4e-01 2.1e+01 2.9e+01 1.5e+02 2.5e+01 2.9e+01
F05 2.0e+01 2.0e+01 2.0e+01 1.9e+01 2.0e+01 1.9e+01 1.8e+01 2.0e+01 2.0e+01 2.0e+01 2.1e+01 1.9e+01
F06 1.5e+00 3.9e+00 1.6e+00 1.7e-01 1.8e+01 4.7e-01 1.1e-01 4.0e+00 3.7e-01 1.0e+01 1.2e+01 8.4e-06
F07 1.1e-02 6.7e-01 9.0e-01 8.3e-03 2.5e+01 4.1e-03 1.7e-02 2.9e-01 2.1e-03 8.8e+00 4.9e+00 2.9e-03
F08 1.3e+01 1.5e-01 1.4e+01 3.3e-02 1.4e+02 0.0e+00 0.0e+00 2.0e+01 3.4e+00 3.5e+01 2.0e+01 2.3e-01
F09 1.4e+01 1.4e+01 1.6e+01 4.3e+00 1.7e+02 4.0e+00 5.6e+00 2.5e+01 5.8e+00 4.0e+01 3.5e+01 2.9e+00
F10 6.1e+02 1.3e+00 4.0e+02 4.6e+00 1.9e+03 4.6e-02 6.7e-02 1.7e+02 4.7e+01 1.2e+03 3.7e+02 2.1e+00
F11 7.2e+02 5.9e+02 4.2e+02 2.7e+02 1.9e+03 2.0e+02 1.8e+02 5.2e+02 2.8e+02 1.2e+03 1.2e+03 1.1e+02
F12 7.4e-01 3.1e-01 1.3e+00 9.5e-02 6.5e+00 2.8e-01 1.9e-01 2.1e-01 2.3e-01 1.0e+00 3.2e+00 9.1e-01
F13 1.2e-01 4.8e-01 1.9e-01 1.3e-01 1.2e+00 1.3e-01 9.5e-02 4.1e-01 9.3e-02 5.6e-01 3.9e+00 1.2e-01
F14 4.5e-01 4.5e-01 2.2e-01 2.1e-01 5.0e-01 1.8e-01 1.5e-01 3.8e-01 1.5e-01 4.6e-01 6.5e+00 1.8e-01
F15 1.1e+00 2.8e+00 1.9e+00 5.1e-01 5.0e+06 6.2e-01 7.9e-01 2.4e+00 7.4e-01 1.0e+02 6.3e+00 6.3e-01
F16 3.6e+00 2.6e+00 2.4e+00 2.2e+00 4.7e+00 2.1e+00 2.0e+00 2.8e+00 2.5e+00 3.5e+00 4.3e+00 1.9e+00
F17 1.6e+02 9.5e+03 1.3e+04 3.0e+02 4.5e+08 1.6e+02 1.5e+02 4.1e+03 1.0e-01 5.0e+04 6.0e+02 1.1e-01
F18 6.8e+00 1.8e+04 2.6e+04 2.4e+00 2.2e+09 1.0e+00 1.9e+00 7.0e+02 5.1e-01 1.0e+04 3.0e+01 4.9e-01
F19 8.4e+00 5.5e+01 1.3e+01 3.8e+00 4.5e+09 2.3e+00 2.8e+00 1.8e+01 2.5e+00 5.9e+03 6.7e+00 2.5e+00
F20 5.4e+00 1.7e+04 2.6e+04 2.3e+02 5.2e+16 1.0e+00 4.2e+00 1.0e+04 1.0e+00 1.0e+09 9.1e+01 5.7e-01
F21 9.0e-01 1.4e+04 6.1e+03 4.6e+00 1.5e+09 2.2e+00 2.0e+00 1.1e+02 9.9e-01 1.4e+05 2.0e+01 5.3e-01
F22 1.9e+02 1.5e+02 1.5e+02 8.2e+01 1.2e+17 3.8e+01 9.5e+00 1.4e+02 2.3e+01 1.6e+05 1.4e+02 1.9e+01
F23 2.4e+02 2.4e+02 2.1e+02 2.4e+02 2.5e+02 2.4e+02 1.3e+02 2.4e+02 2.4e+02 2.0e+02 2.6e+02 2.4e+02
F24 1.2e+02 1.3e+02 1.2e+02 1.1e+02 2.7e+02 1.1e+02 1.1e+02 1.4e+02 1.1e+02 2.0e+02 1.9e+02 1.0e+02
F25 1.9e+02 2.0e+02 2.0e+02 2.0e+02 2.1e+02 2.0e+02 1.4e+02 2.0e+02 1.9e+02 2.0e+02 2.1e+02 2.0e+02
F26 1.0e+02 1.0e+02 1.0e+02 1.0e+02 2.6e+02 1.0e+02 1.0e+02 1.0e+02 1.0e+02 1.0e+02 1.0e+02 1.0e+02
F27 3.4e+02 3.7e+02 3.6e+02 3.1e+02 1.3e+03 2.9e+02 4.9e+00 3.8e+02 7.1e+01 2.0e+02 3.3e+02 2.1e+02
F28 4.4e+02 5.1e+02 4.5e+02 4.2e+02 2.0e+03 4.1e+02 3.6e+02 5.2e+02 3.6e+02 2.0e+02 4.8e+02 3.7e+02
F29 6.5e+06 5.2e+06 5.9e+06 5.4e+06 7.6e+06 5.2e+06 4.5e+06 5.3e+06 4.7e+06 2.0e+02 5.1e+06 5.0e+06
F30 7.2e+05 1.0e+06 9.2e+05 2.3e+04 4.4e+04 1.7e+04 2.6e+03 6.8e+04 2.9e+03 2.0e+02 1.3e+04 2.4e+03
CMAES
GA
GWO
JADE
LBFGSB
LSHADE
NLSHADE-RSP
PSO
SLO_HBYRID
SSA
SciPyDE
jSO
log10(mean metric)
15
10
5
0
−5
−10
−15