

20 Schwefel $x \cdot \sin(x)$

bbob f20, 5-D
51 targets: 100..1e-08
5, 15 instances

Fraction of function, target pairs

1.0
0.8
0.6
0.4
0.2
0.0

0

1

2

3

4

5

6

7

$\log_{10}(\# \text{ f-evals} / \text{dimension})$

v2.6.1.158

best 2009

no cumula

covariance

covariance

stepsize cu

both cumu

stepsize cu

stepsize cu

both cumu

stepsize cu

both cumu

CMA-ES-20

both cumu

no cumula

0.0

0.2

0.4

0.6

0.8

1.0