

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

bbob f20, 2-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

both cumu

stepsize cu

no cumula

no cumula

both cumu

both cumu

covariance

stepsize cu

CMA-ES-20

stepsize cu

covariance

stepsize cu

both cumu

both cumu