

# 12 Bent cigar

bbob f12, 20-D  
51 targets: 100..1e-08  
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

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

best 2009

CMAES

LBFGSB

JADE

LSHADE

SSA

NLSHADE I

jSO

PSO

SLO HBYRI

SciPyDE

GWO

GA

2.7 1.4