

12 Bent cigar

```
bbob f12, 40-D
51 targets: 100..1e-08
5, 15 instances
```

best 2009

both cumu

both cumulative

covariance

7covariance

both cumu

both cumu

CMA-ES-20

no cumulative

```
> stepsize cu
```

stepsize cu

no cumula

stepsize cu

stepsize cu



v2.6.1.158

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