

10 Ellipsoid

```
bbob f10, 5-D
51 targets: 100
5, 15 instances
```

best 2009

- both cumulative

7covariance

both cumulative

- both cumulative

CMA-ES-20

- both cumulative

covariance

stepsize cu

stepsize cu

no cumula

stepsize cu

no cumula

```
> stepsize cu
```

v2.6.1.158

Fraction of function, target pairs

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