

8th GECCO Workshop on Blackbox Optimization Benchmarking (BBOB): Wrap-Up

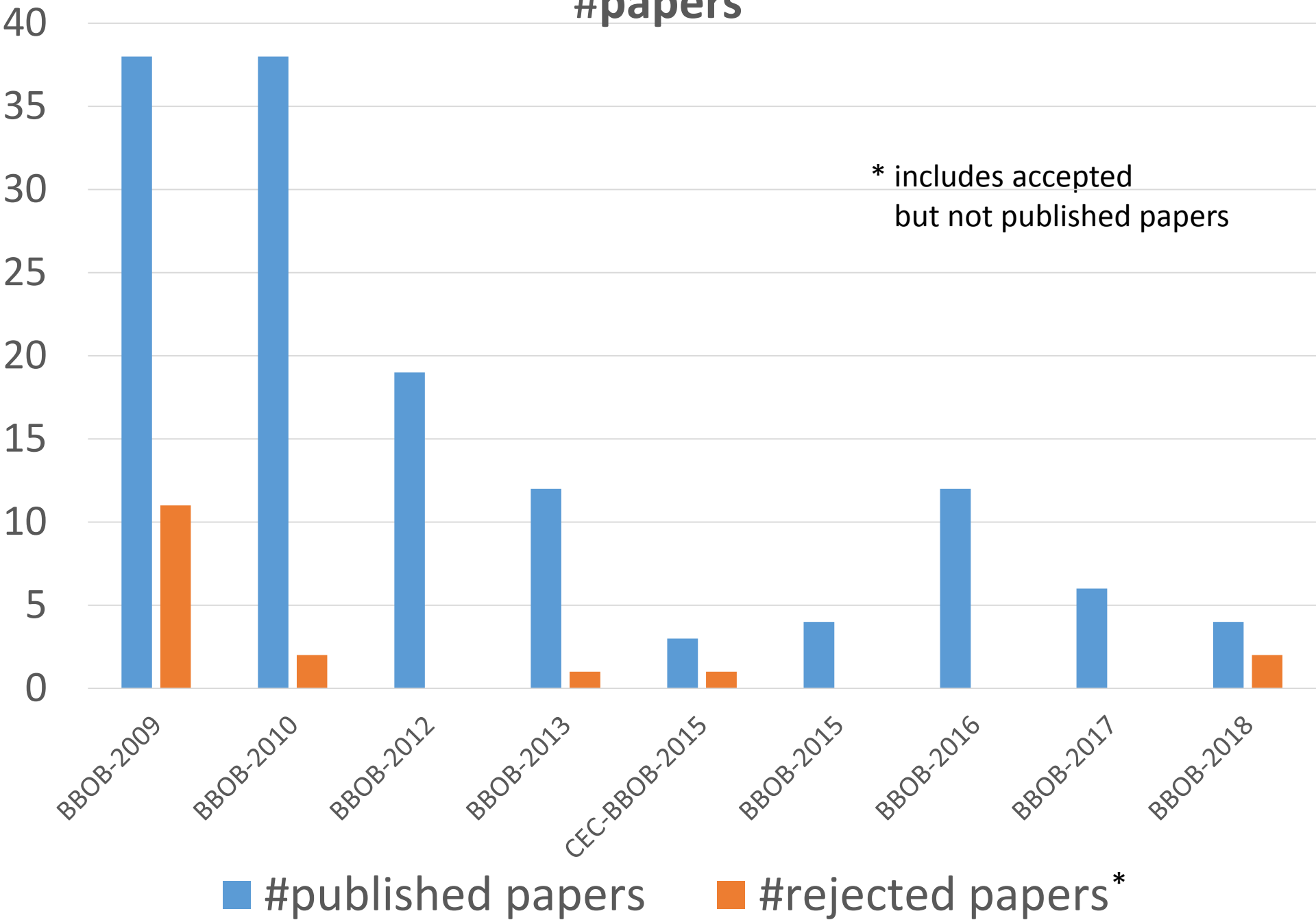
The BBOBies

<https://github.com/numbbo/coco>

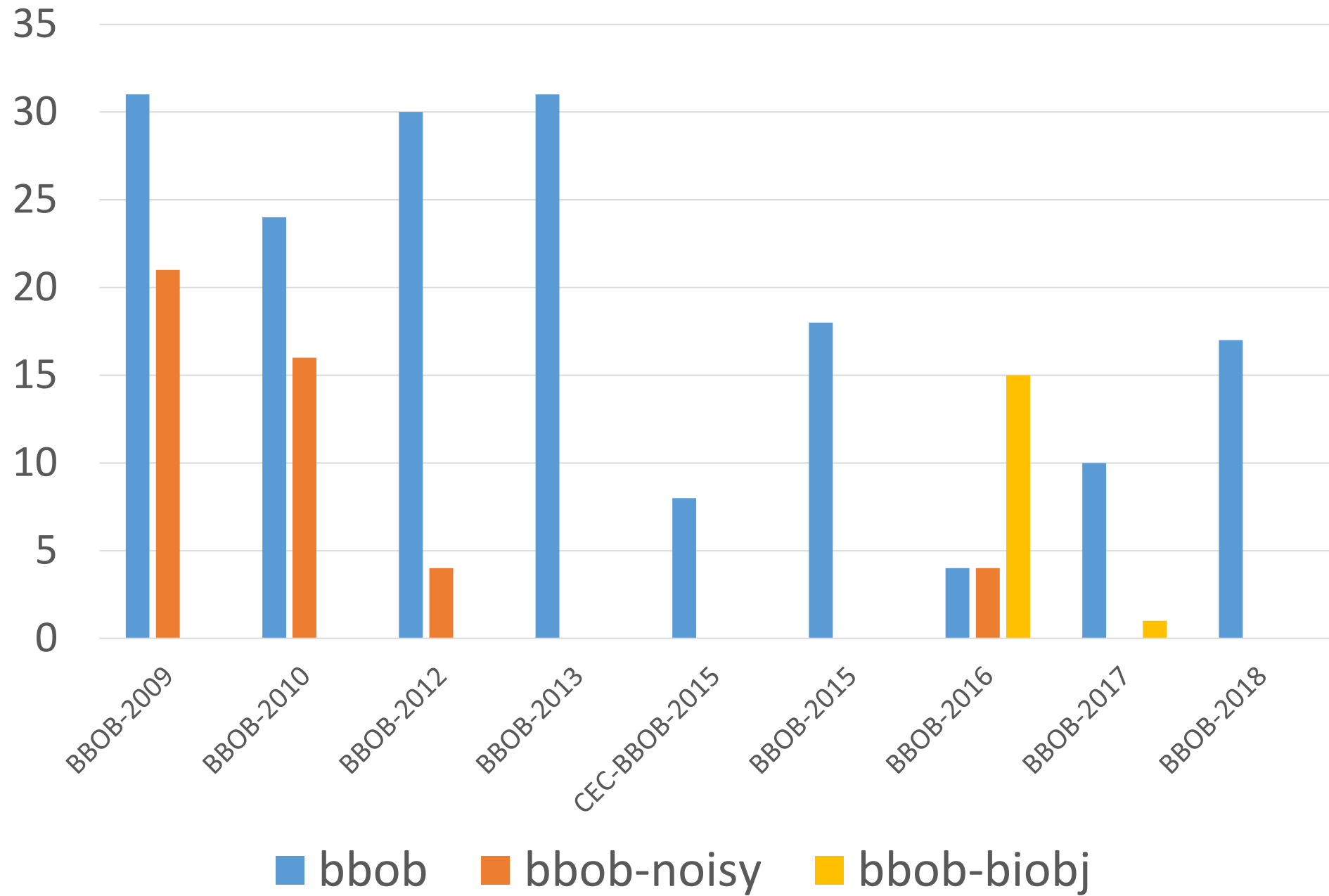
The logo for Inria, featuring the word "Inria" in a stylized, red, cursive font.

INVENTORS FOR THE DIGITAL WORLD

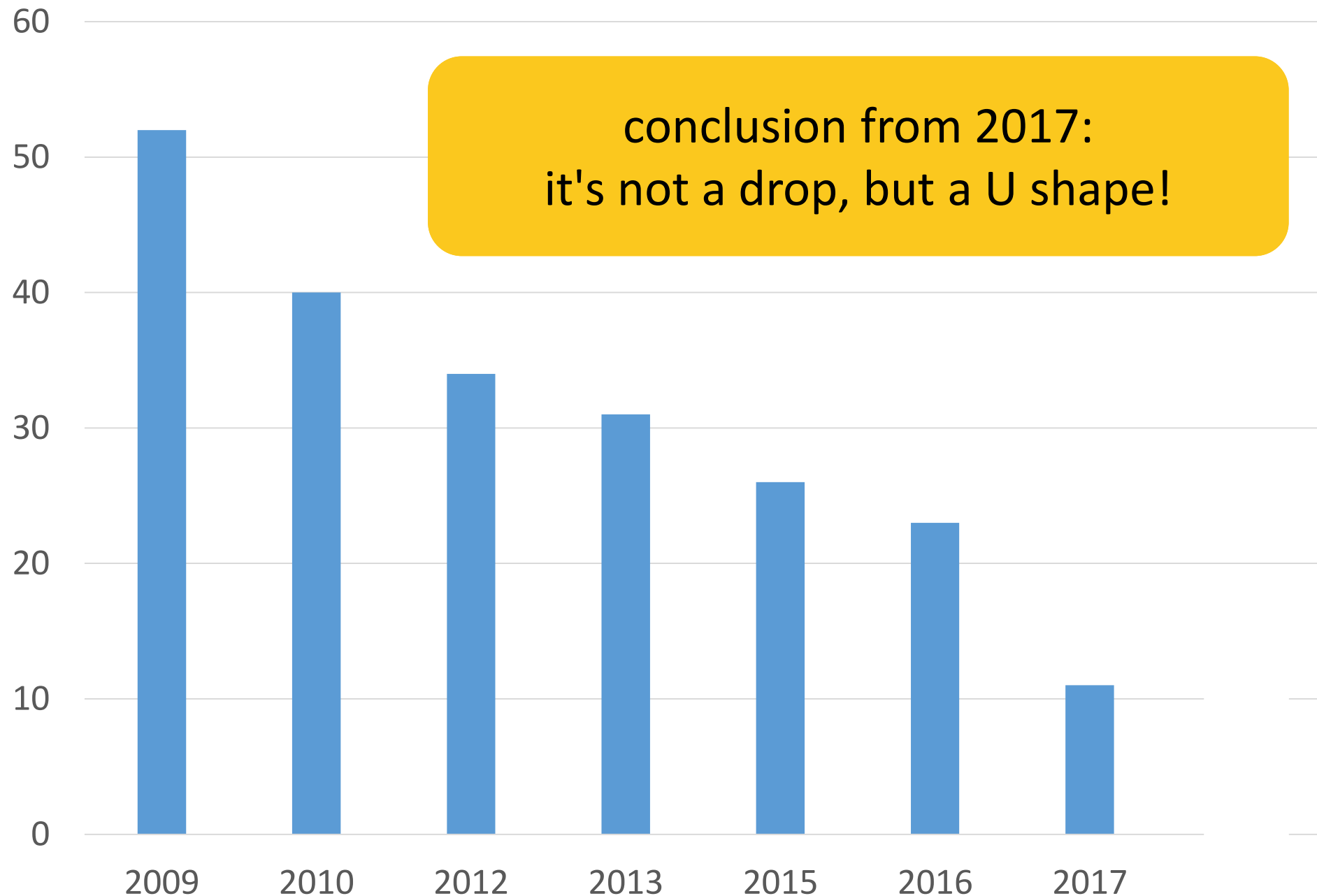
#papers



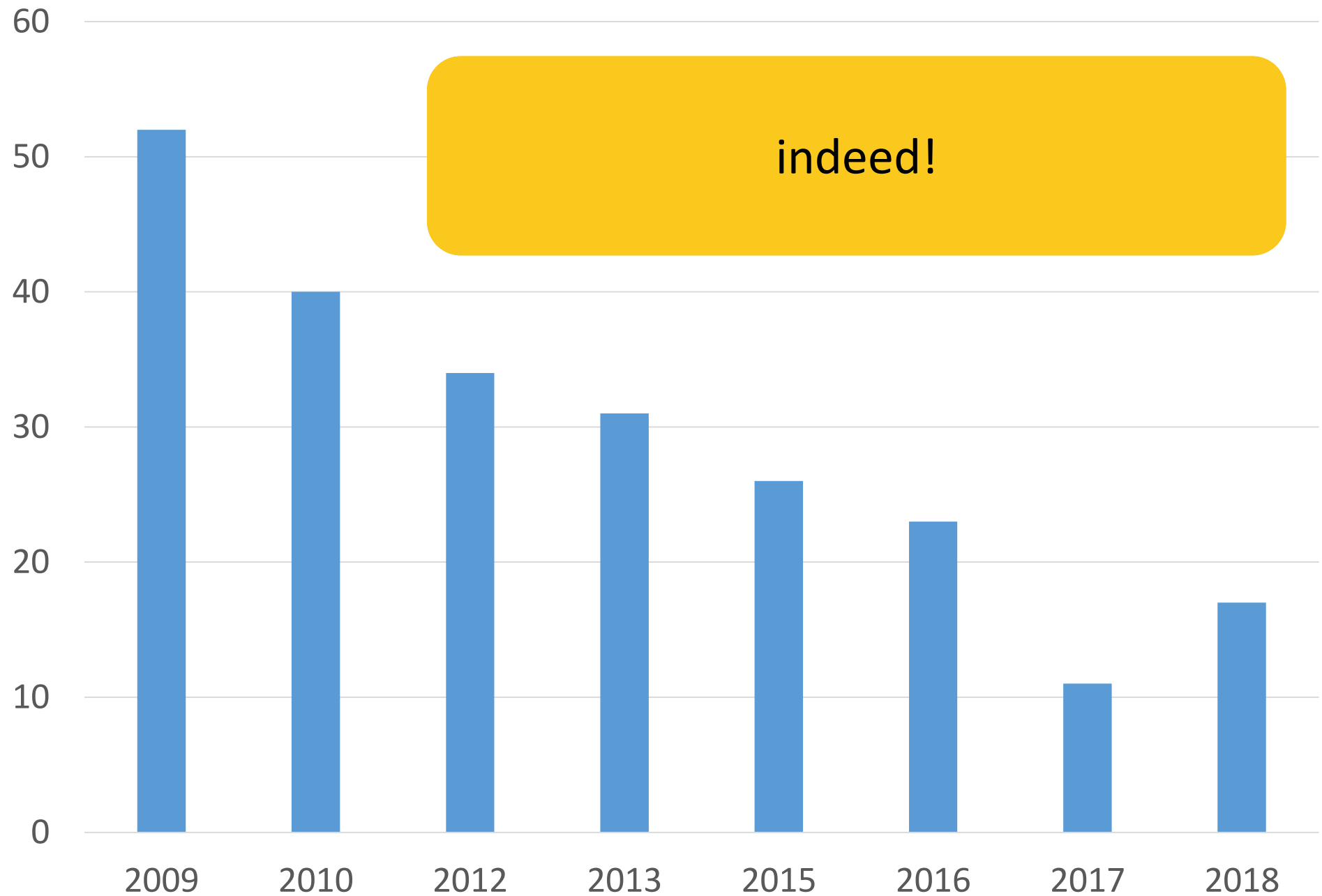
BBOB Submissions (accepted #data sets)



submitted data sets per year



submitted data sets per year



Some more numbers

- 191 issues closed since last GECCO (compared to 164 the year before)
- 13 of the opened and closed issues since last GECCO have been provided by externals (vs. 19 in 2017)

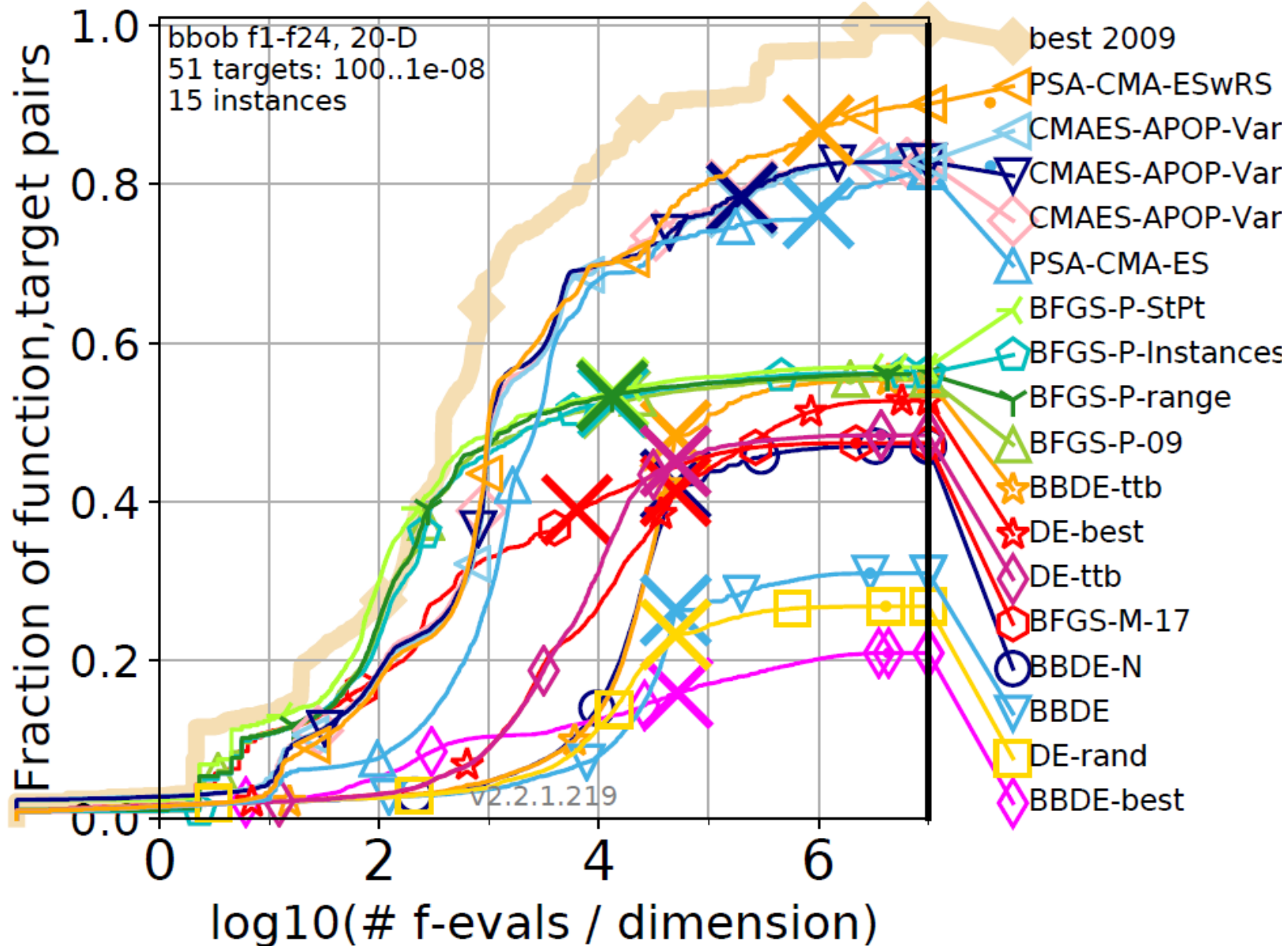
Some more numbers

- 191 issues closed since last GECCO (compared to 164 the year before)
- 13 of the opened and closed issues since last GECCO have been provided by externals (vs. 19 in 2017)

many thanks to the COCO community!
[please continue and increase your effort]

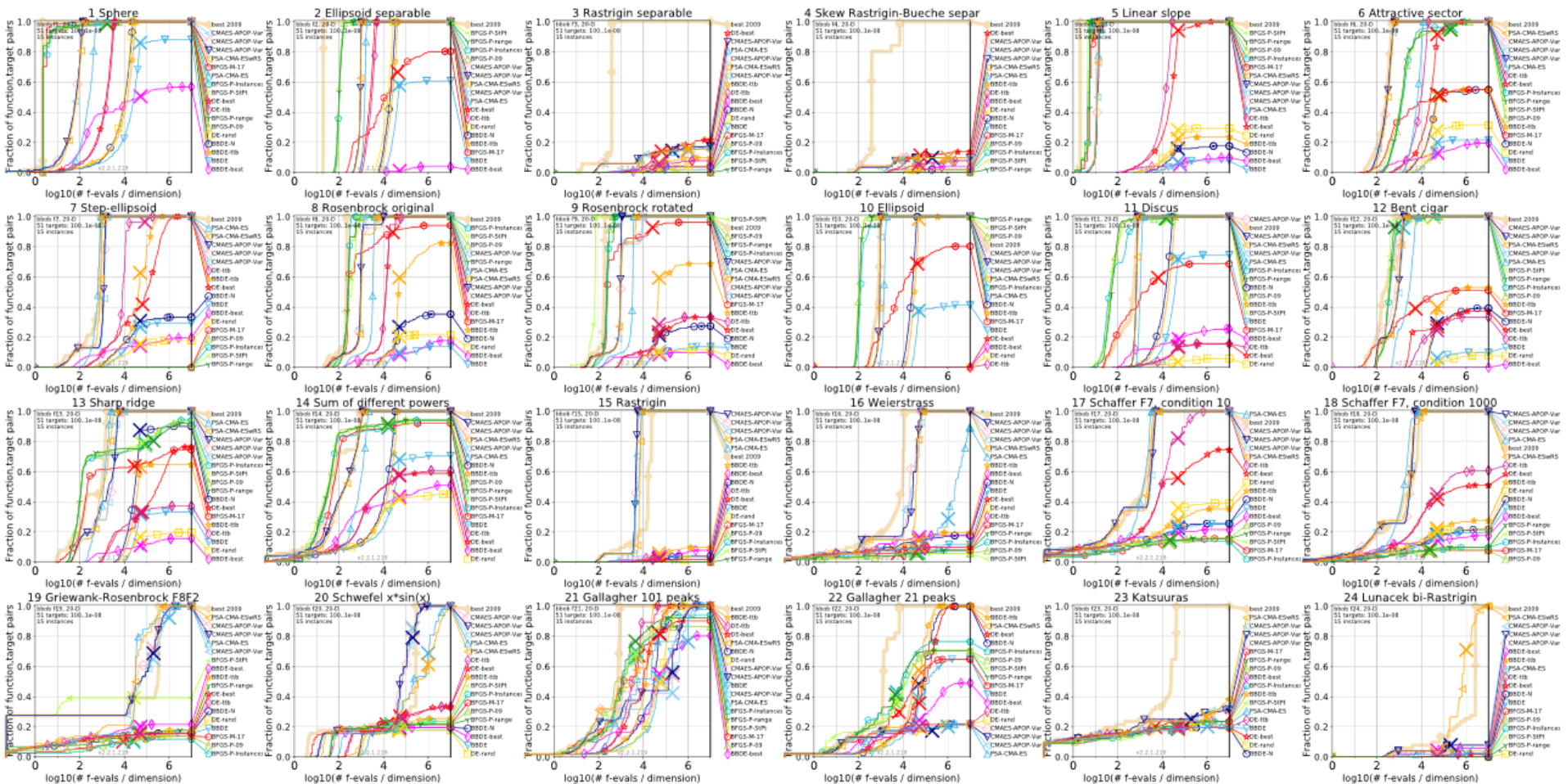
now to the results of BBOB-2018

Overall Results (20-D)

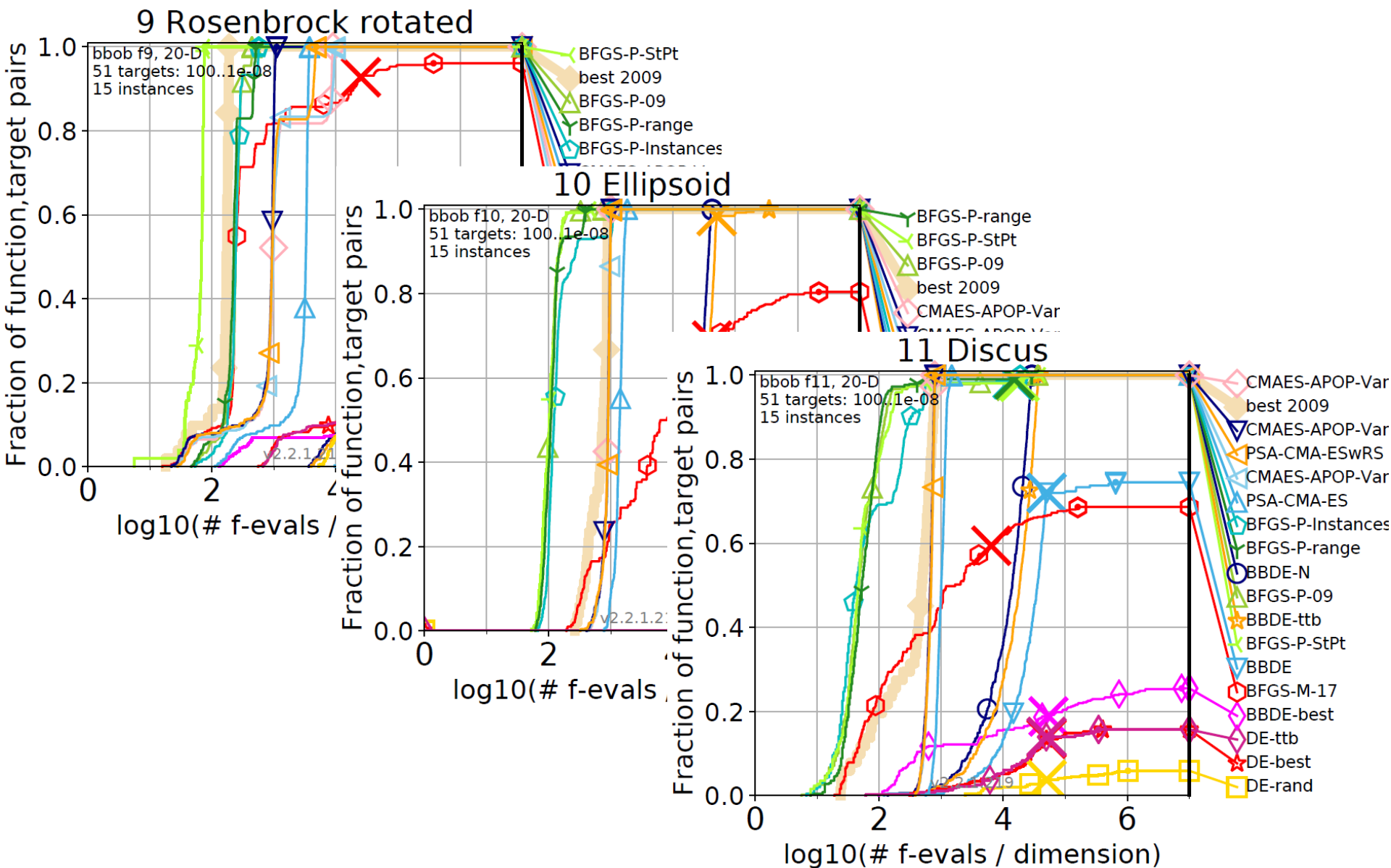


Results per Function

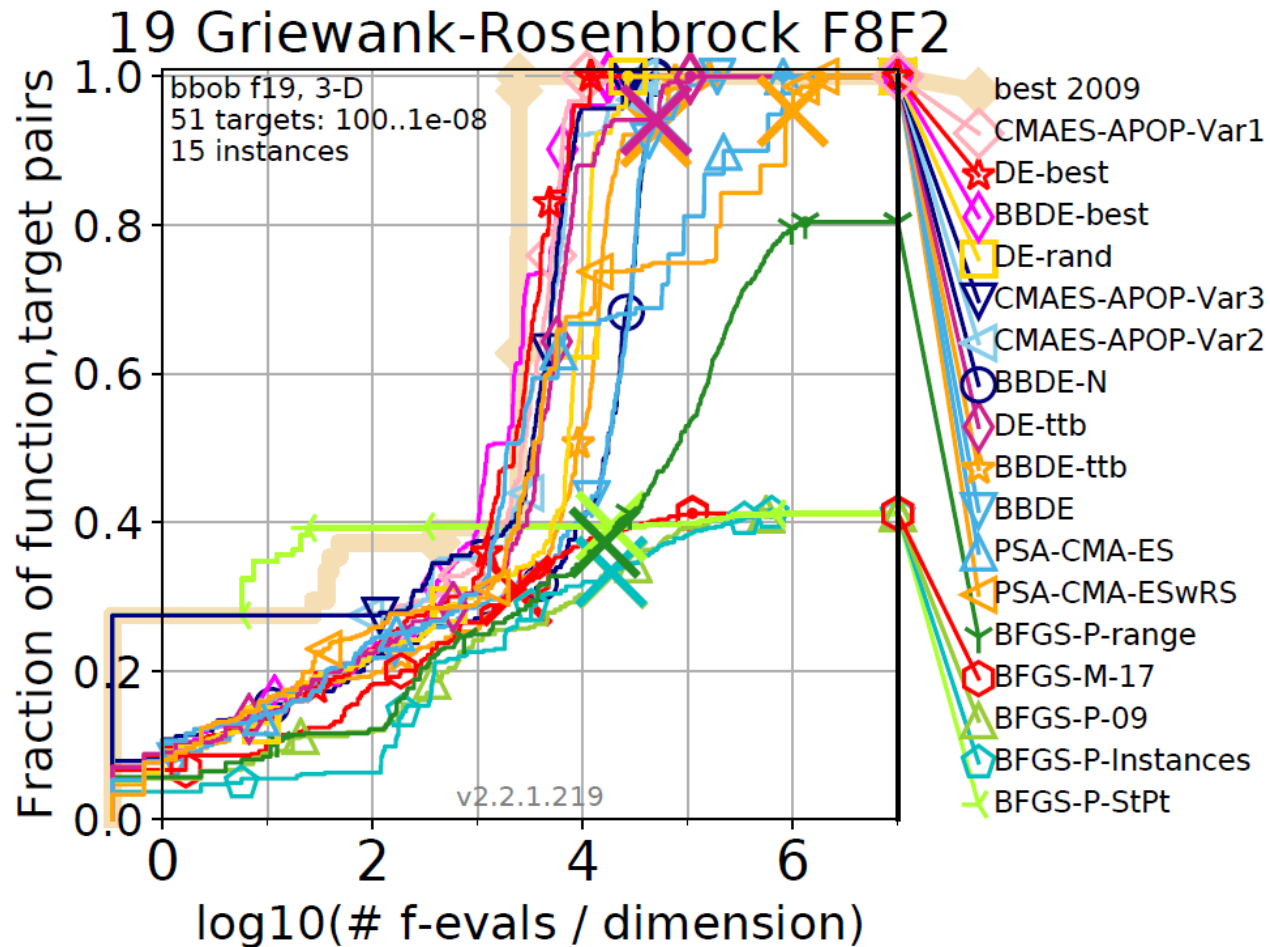
[Previous dimension](#) | **Dimension = 20** | [Next dimension](#)



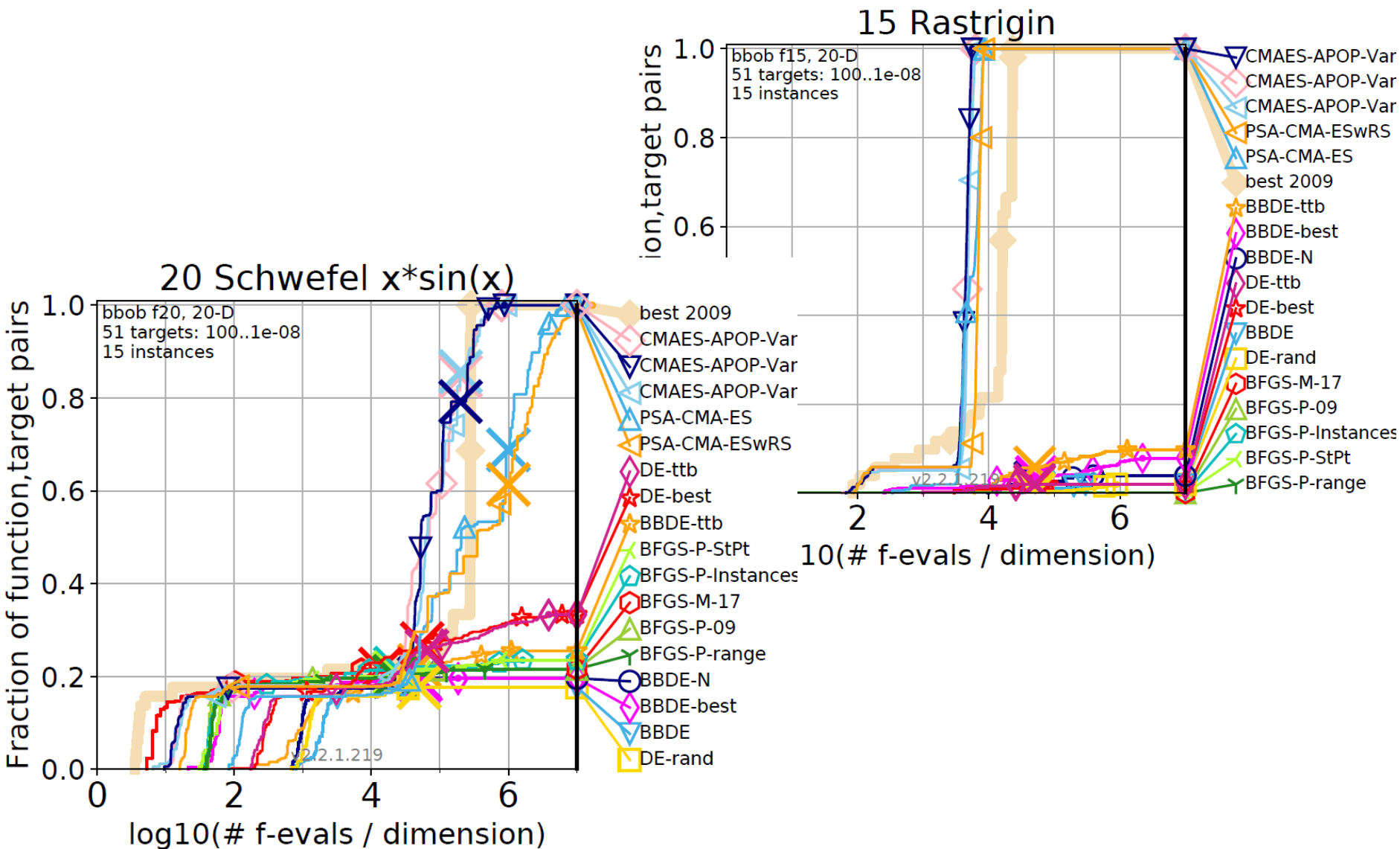
Most Notable Results (in 20-D)



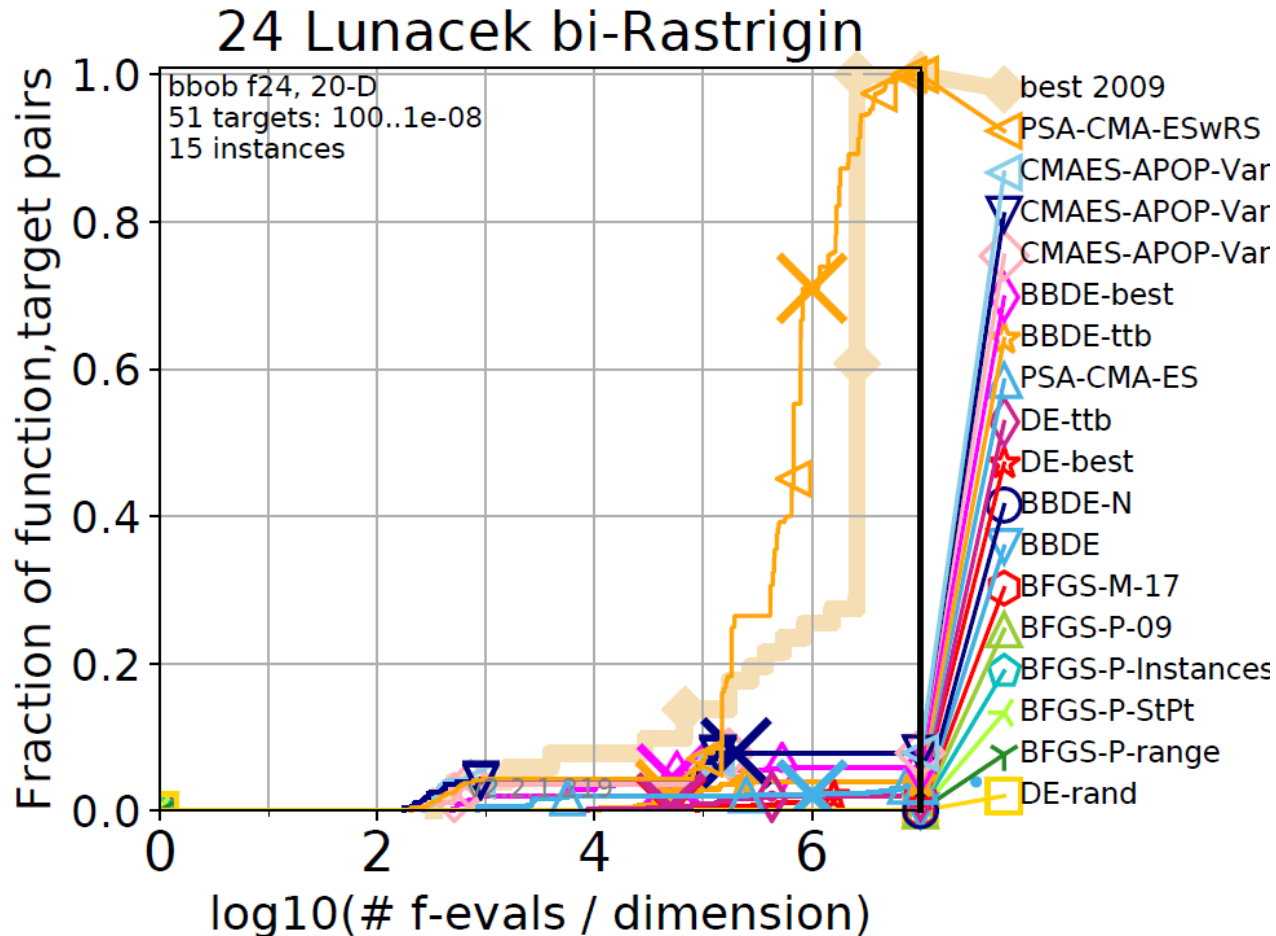
Most Notable Results (in 20-D)



Most Notable Results (in 20-D)

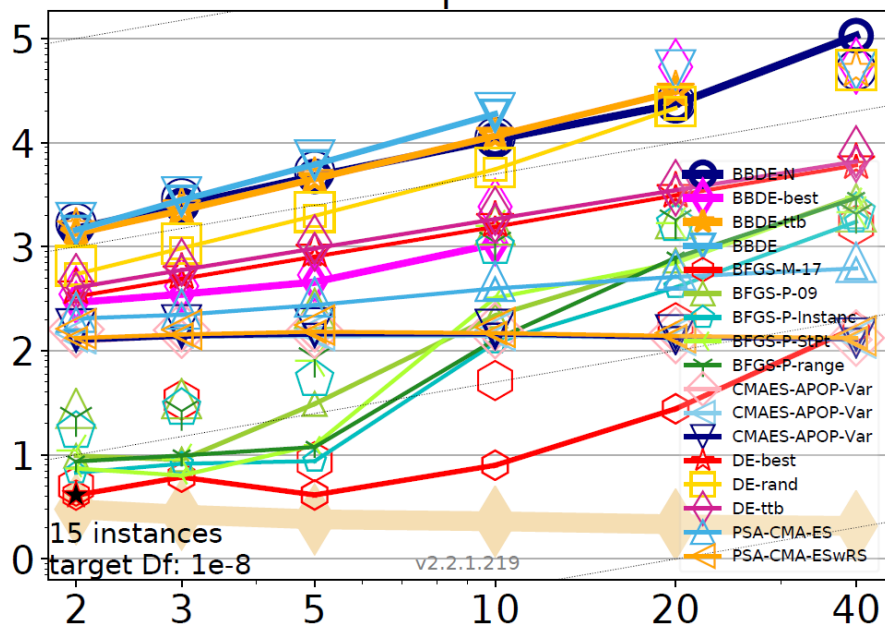


Most Notable Results (in 20-D)

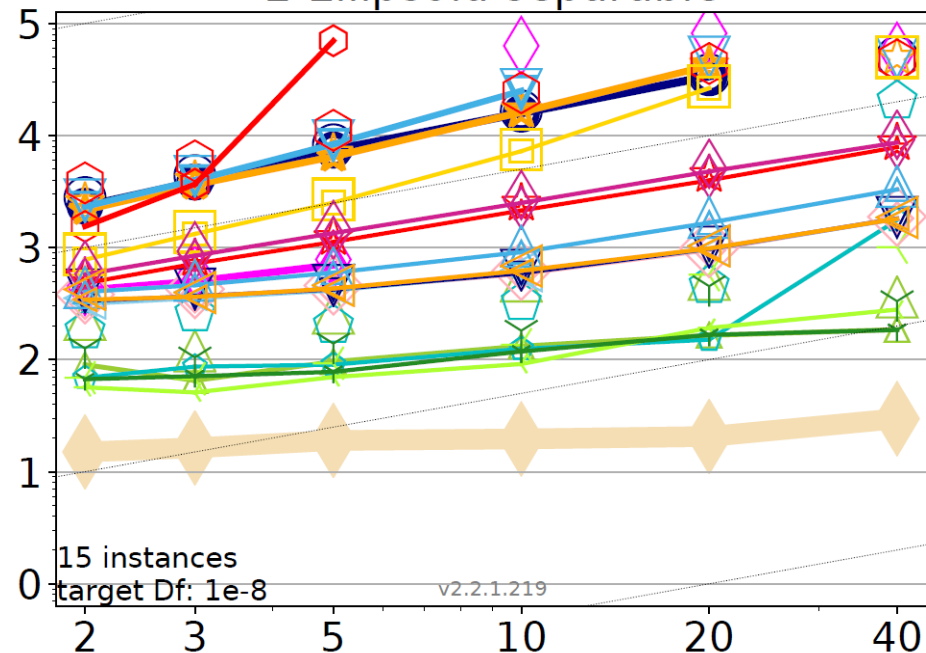


BFGS (⬡) in Matlab 2017

1 Sphere



2 Ellipsoid separable



The (near) Future of COCO

- bbob-largescale suite
- bbob-biobj-ext suite
- bbob-constrained suite
- python module cocoex2 for easier implementation/prototyping of test suites

again: we can use all your help!

Open Discussion

- What would you like to do with COCO?
- What would you like to have implemented in COCO?
- How can we increase the number of new data sets?
- Continuous submission of data?