Wrap-up of the BBOB-2015 Results

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INRIA Lille – Nord Europe

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BBOB 2015 workshop @ GECCO, Madrid, Spain

INVENTORS FOR THE DIGITAL WORLD

BBOB-2015

5th BBOB@GECCO this year

- 4 submissions
- 16 algorithm data sets
- 2 submissions explicitely for expensive scenario
- no noisy data

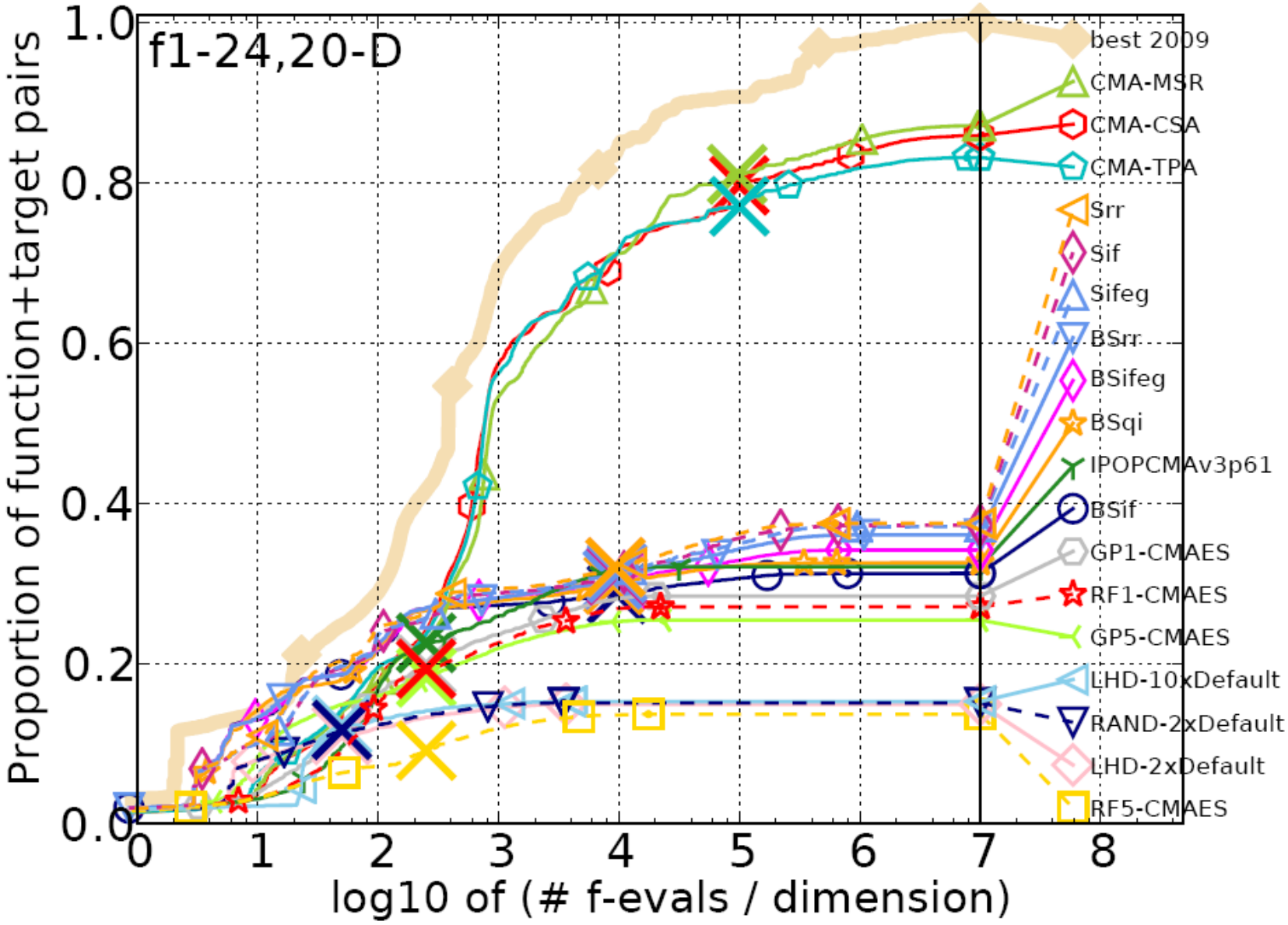
	#papers	#algos
2009	39	29
2010	37	25
2012	19	29
2013	12	30
2015	7	26

2015 comprises CEC *and* GECCO

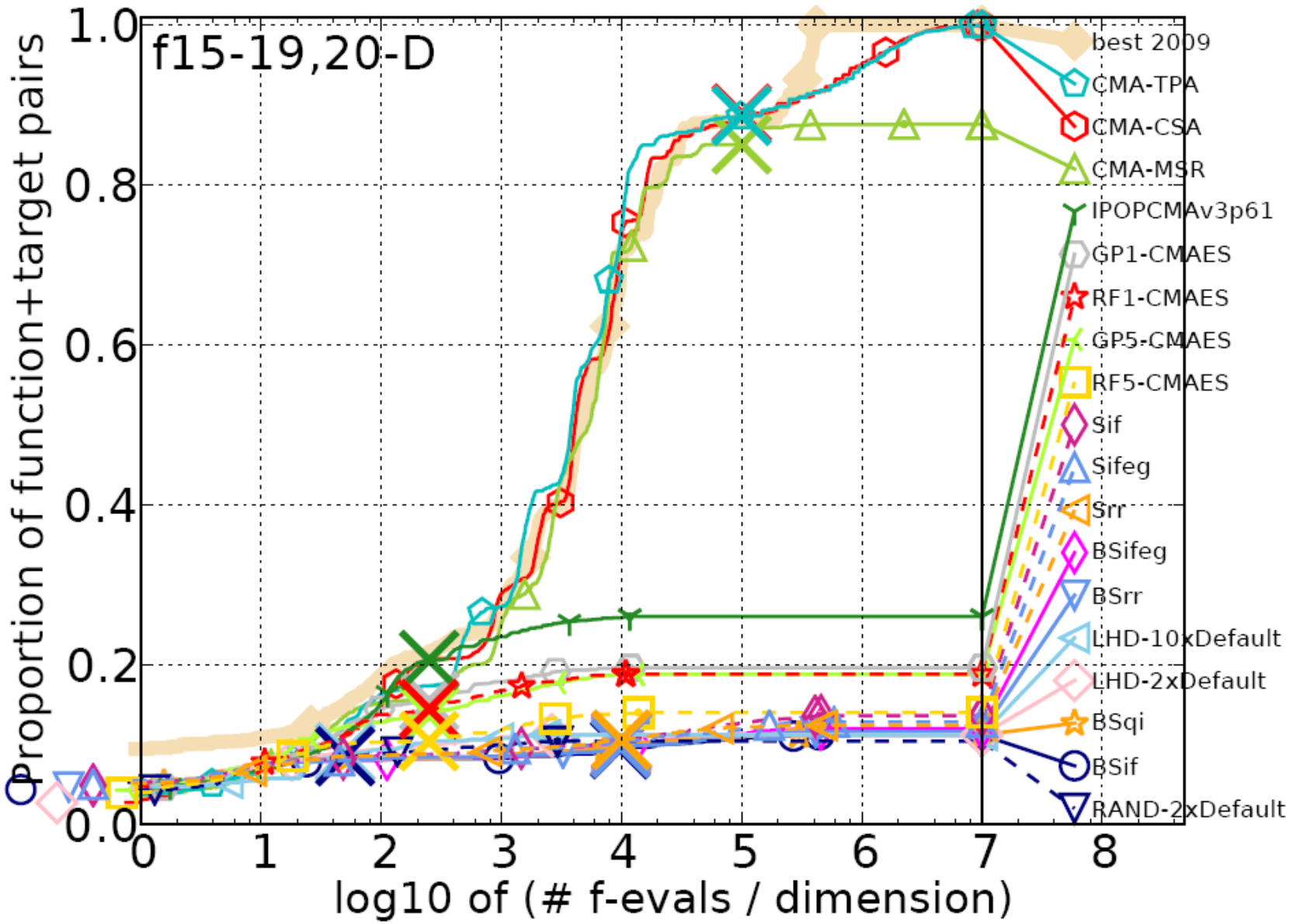
Usual questions:

- successful?
- overfitting?

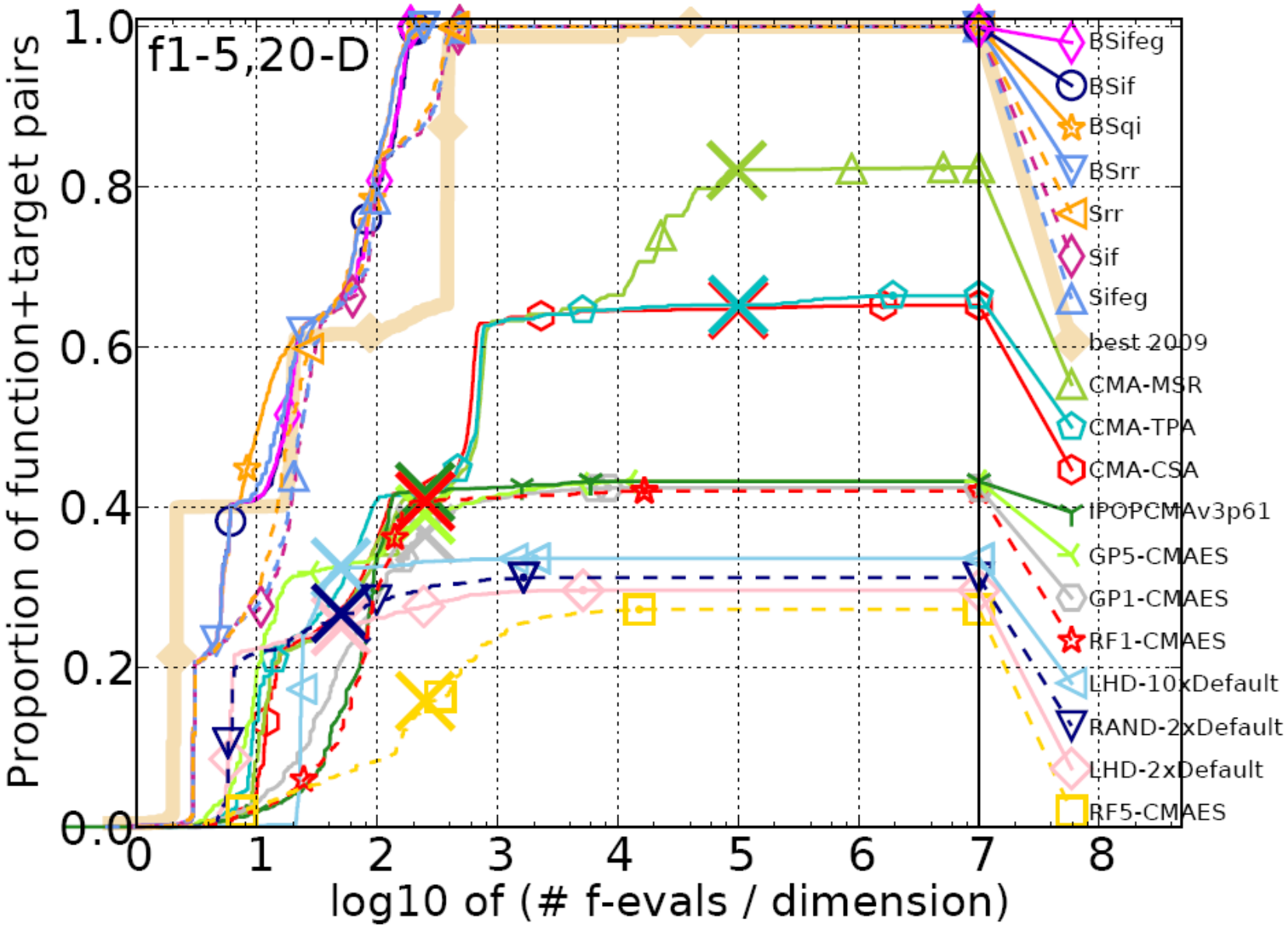
BBOB-2015 Results



Multimodal Functions



Separable Functions



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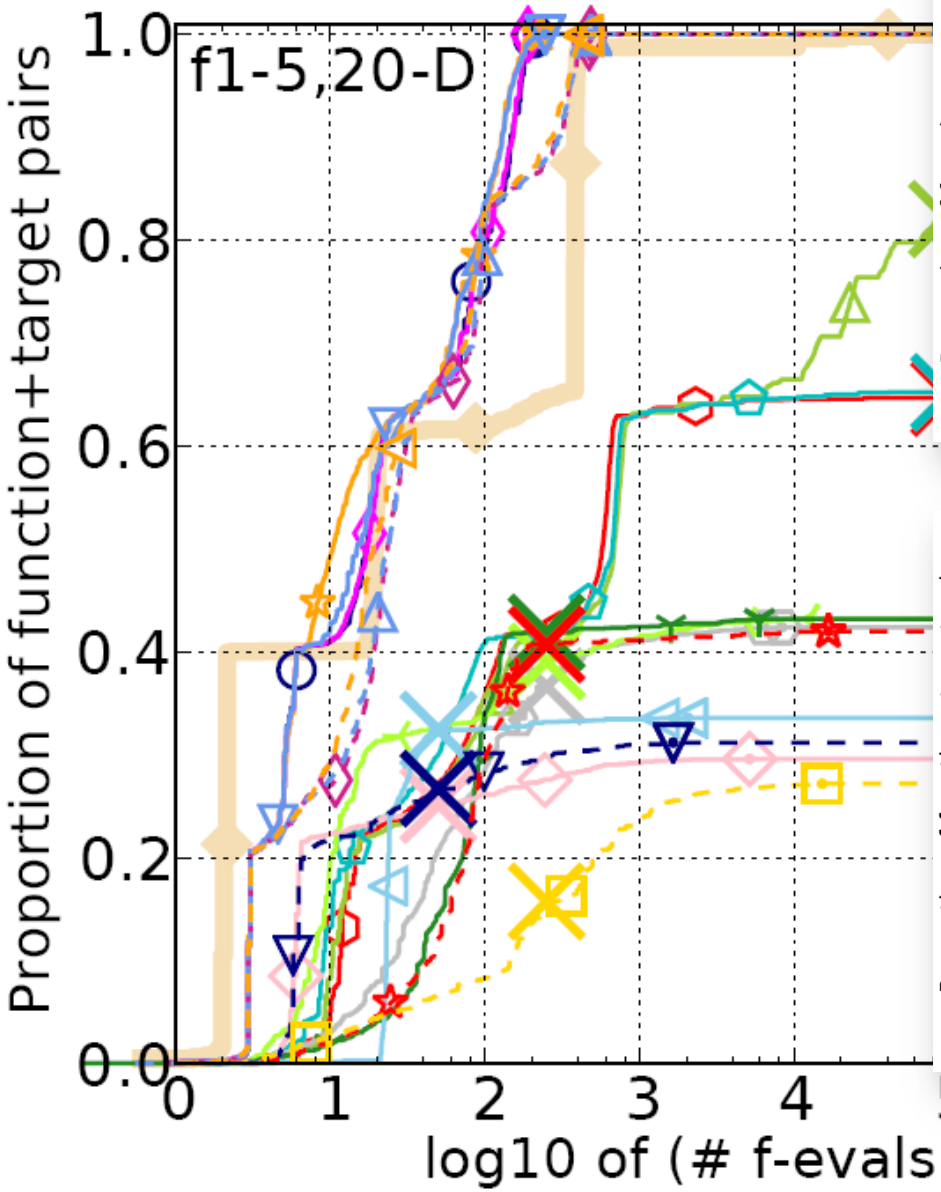
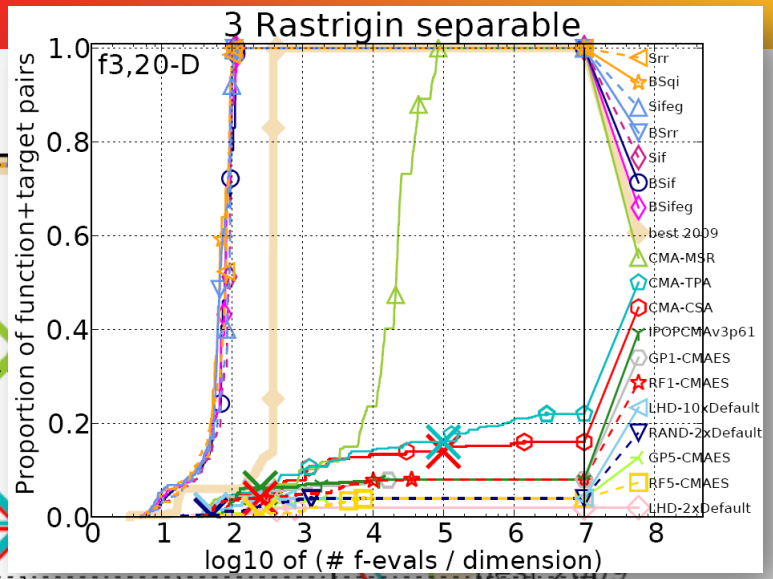
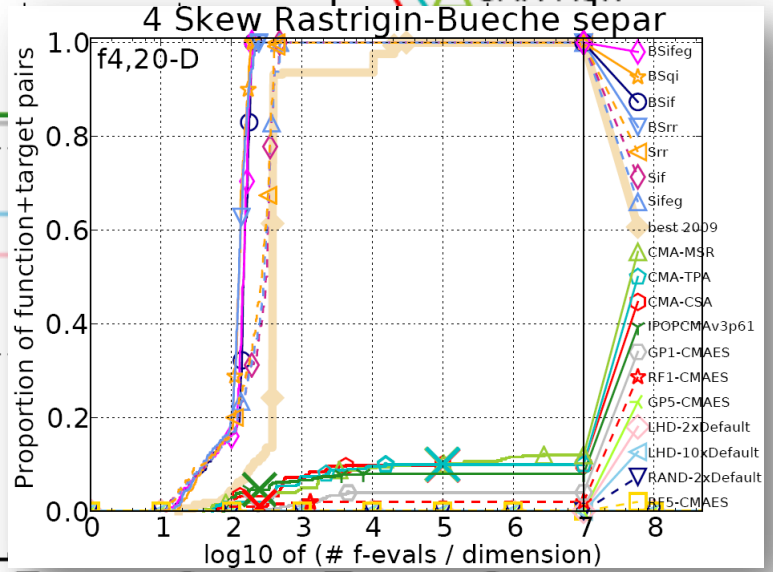
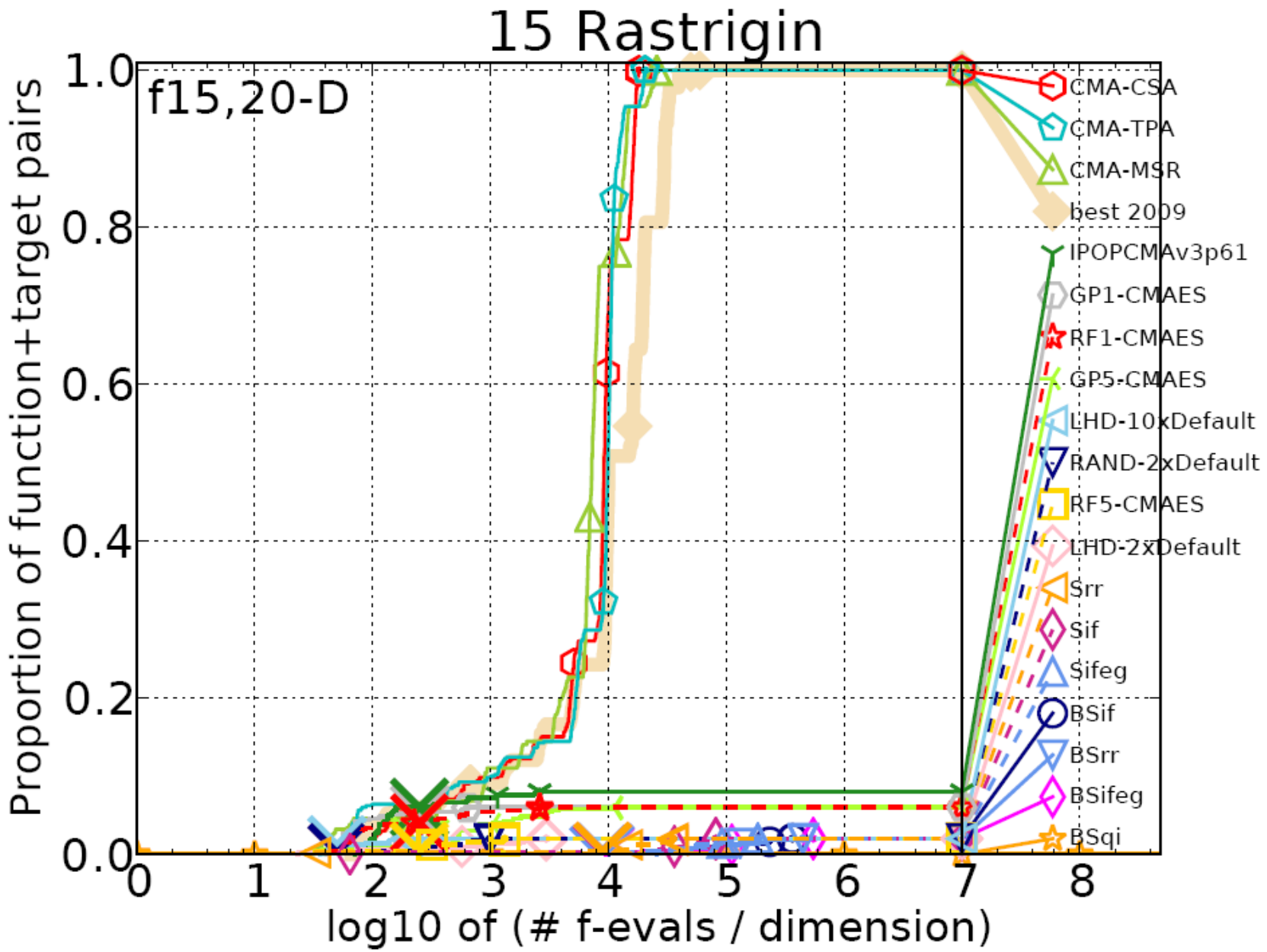






Results for Some Single Functions



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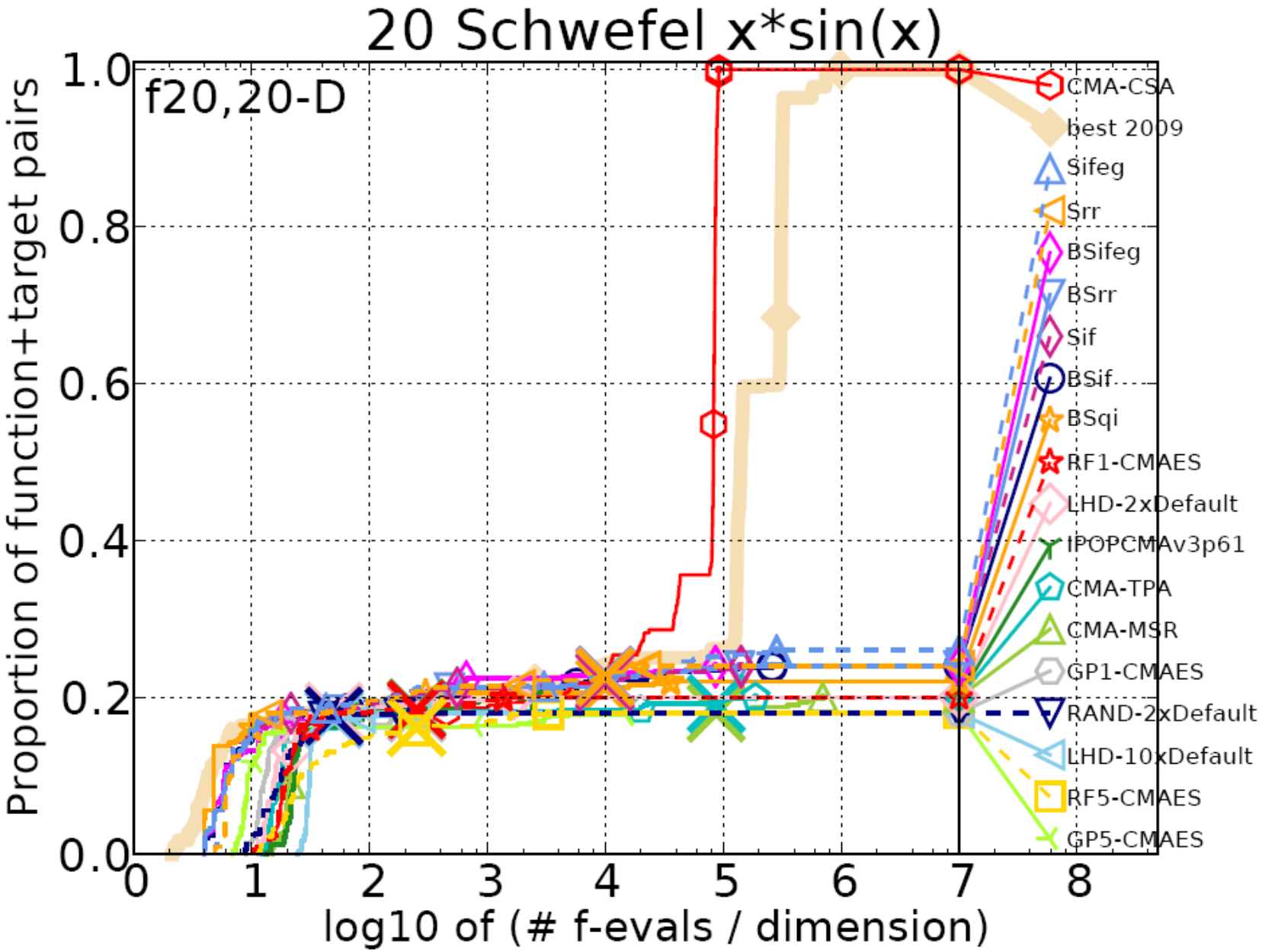
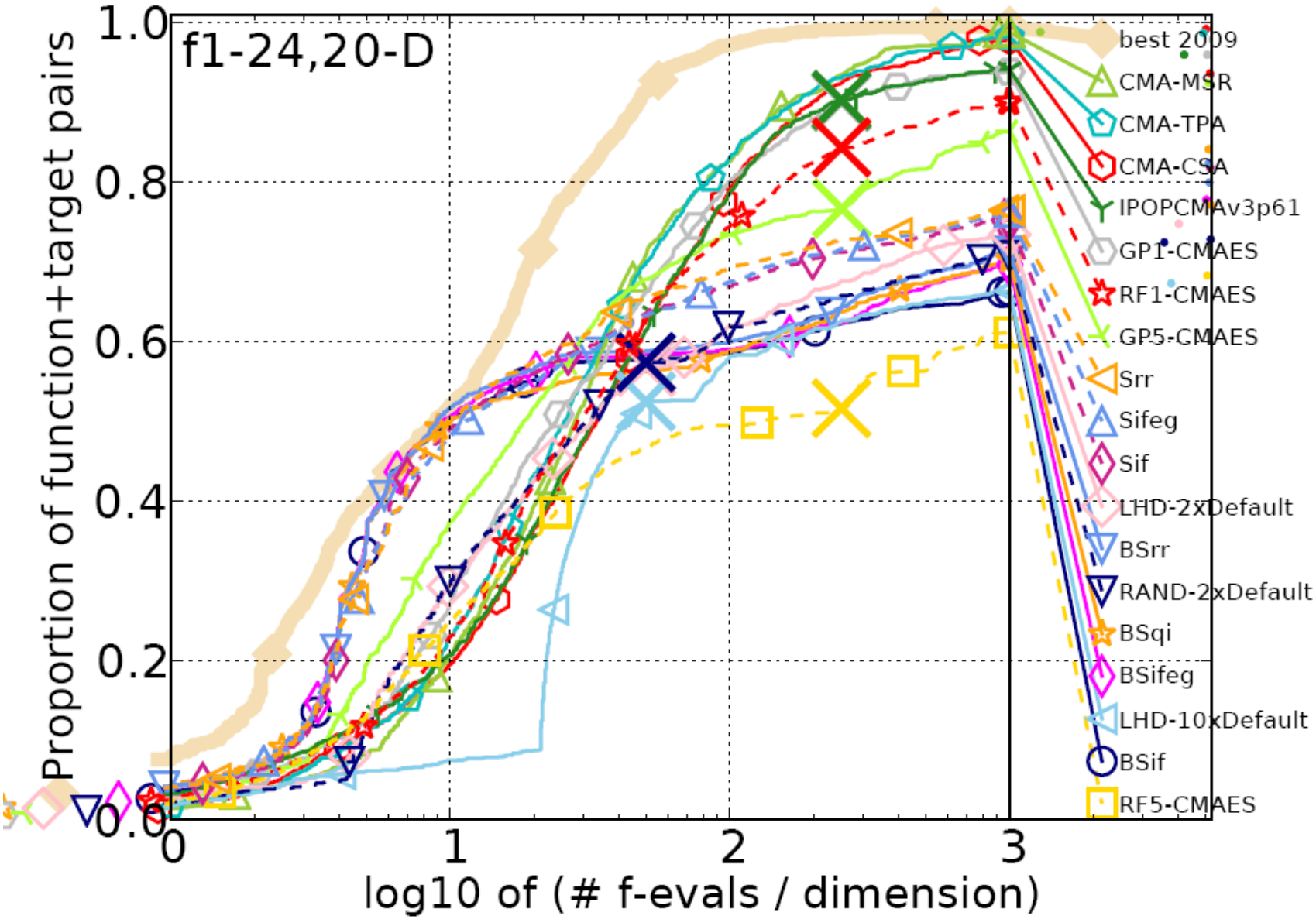
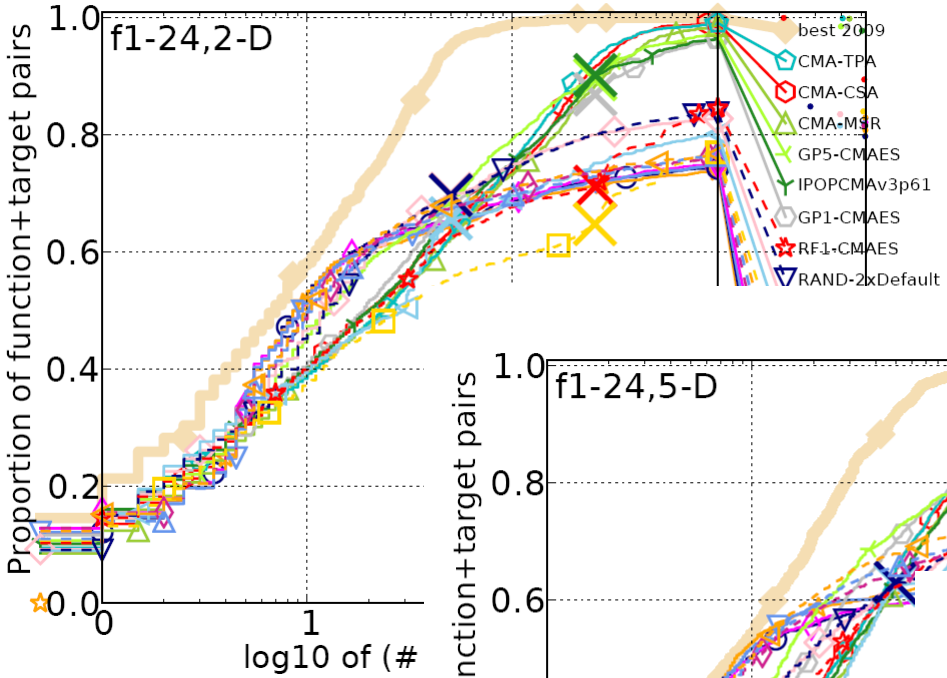


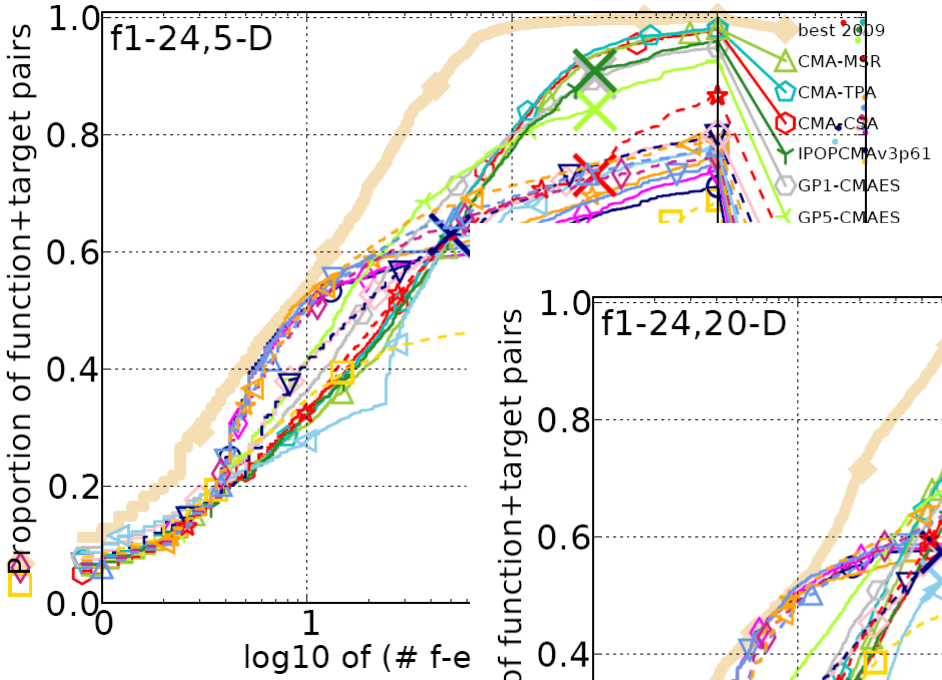
expensive scenario

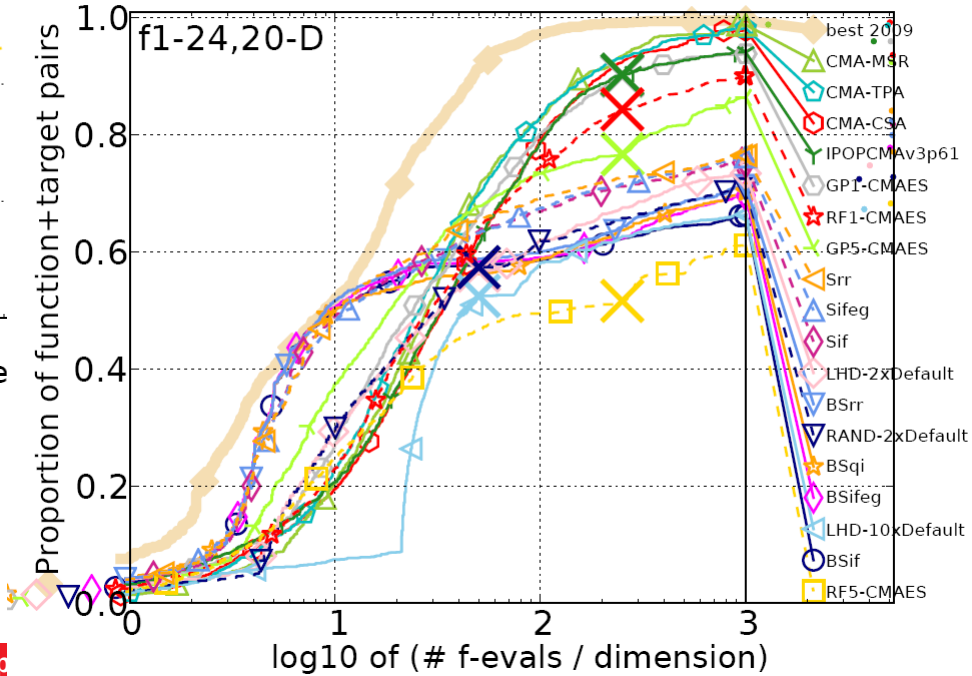
All Functions



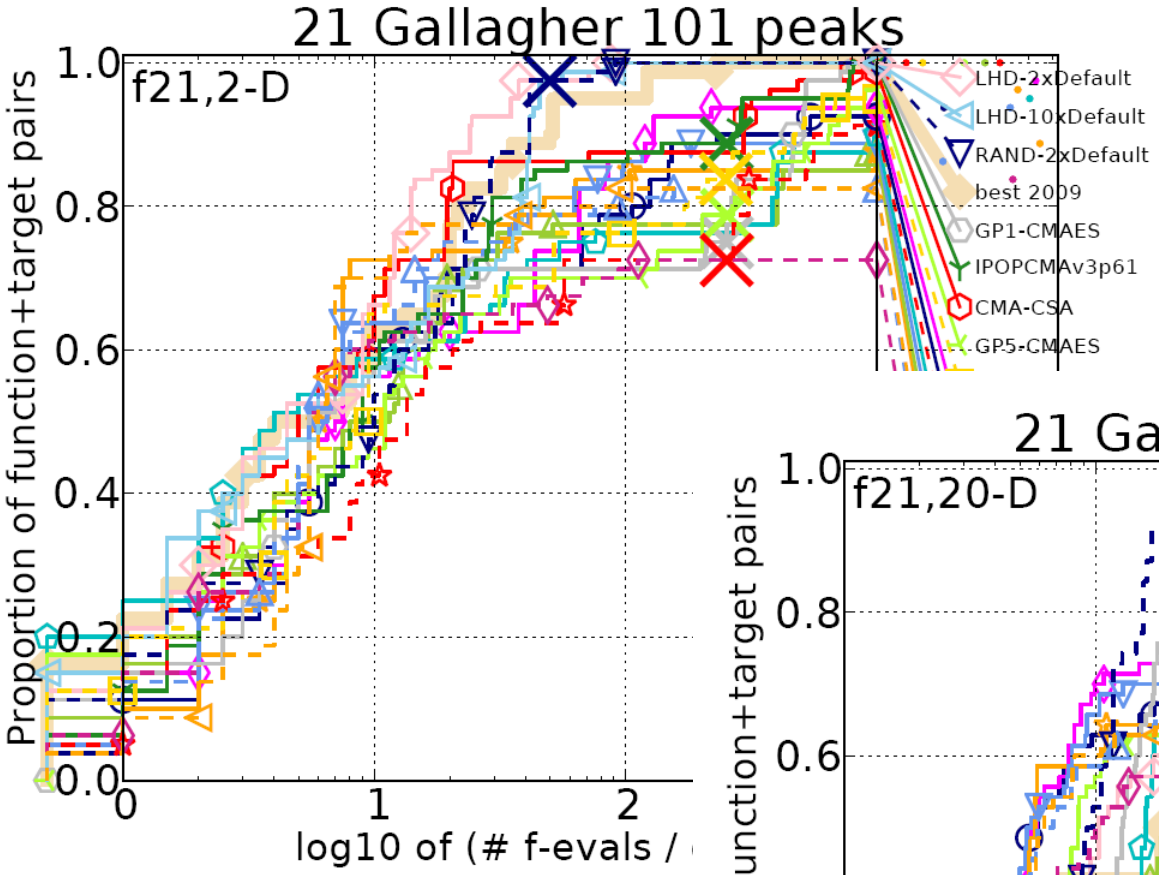
Relation With Dimension

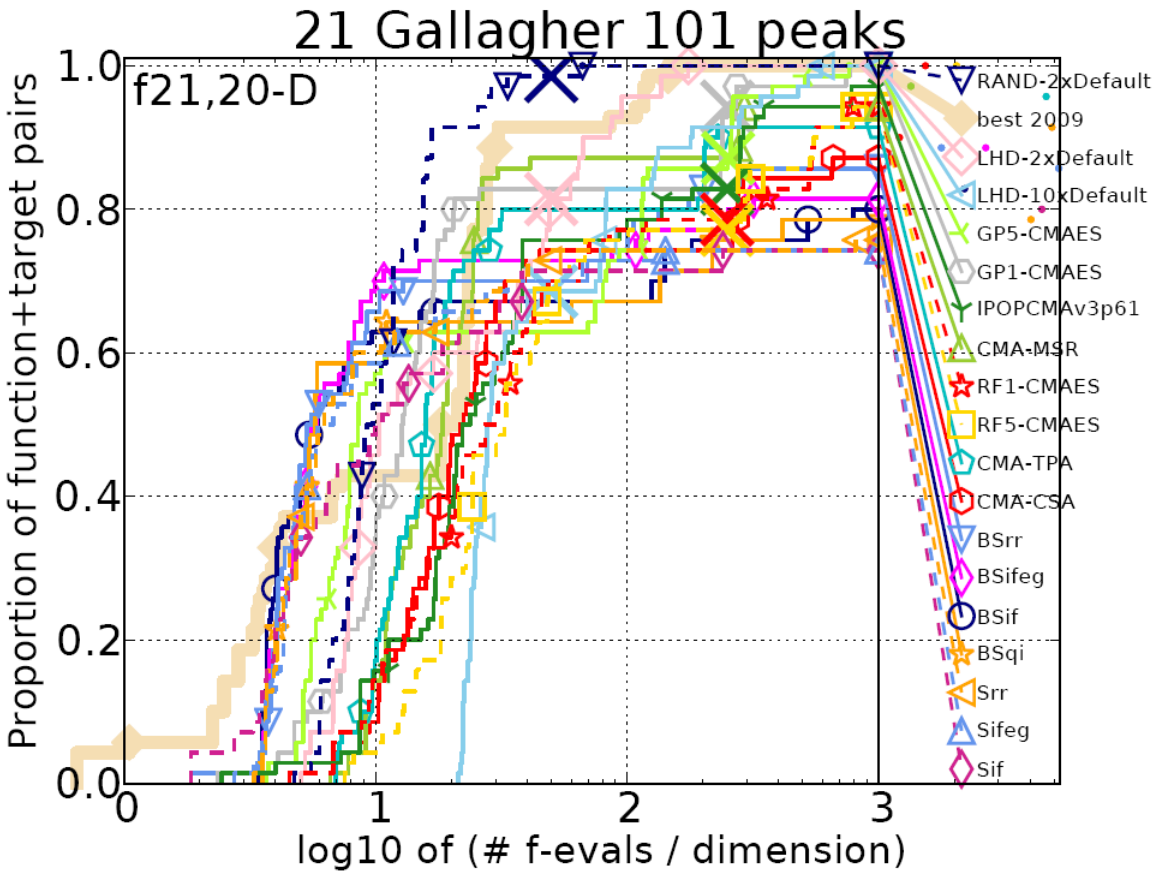






RANDOM vs. LHS Initial Design Makes a Difference!





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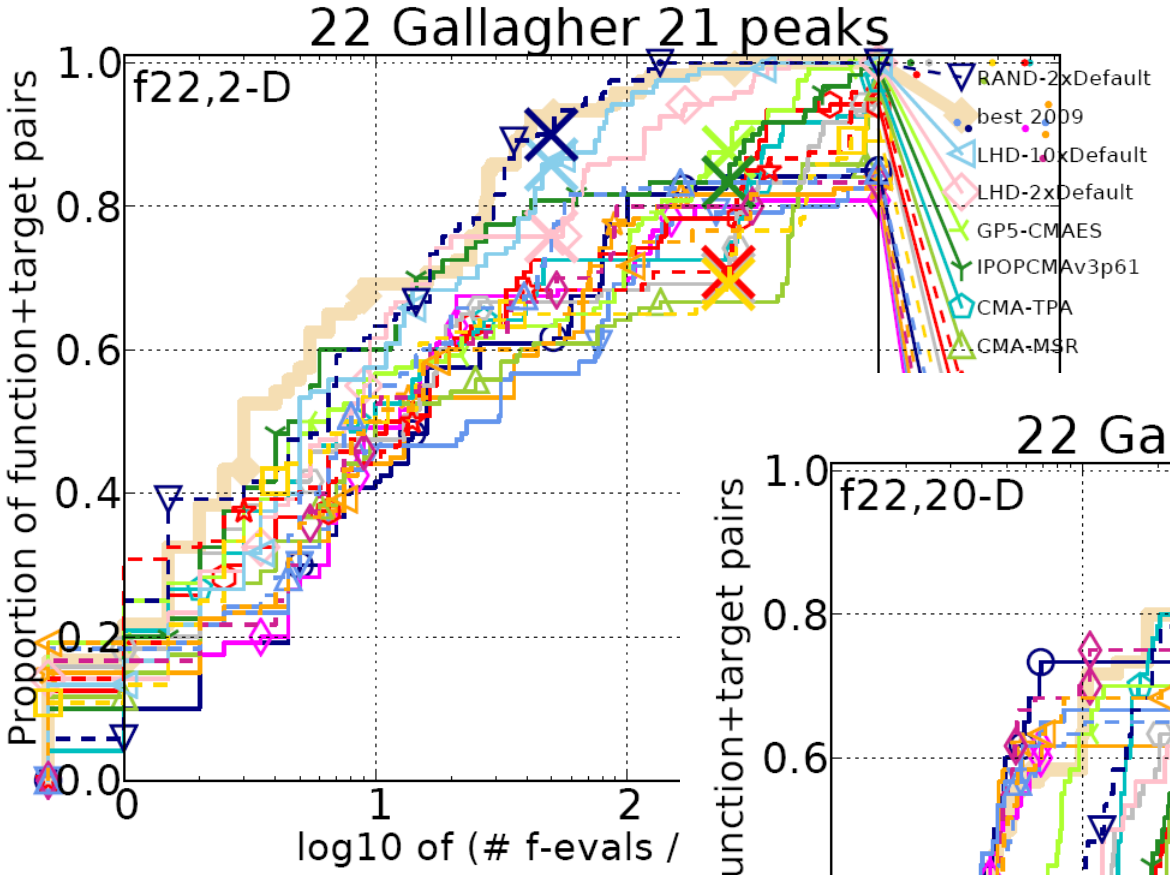
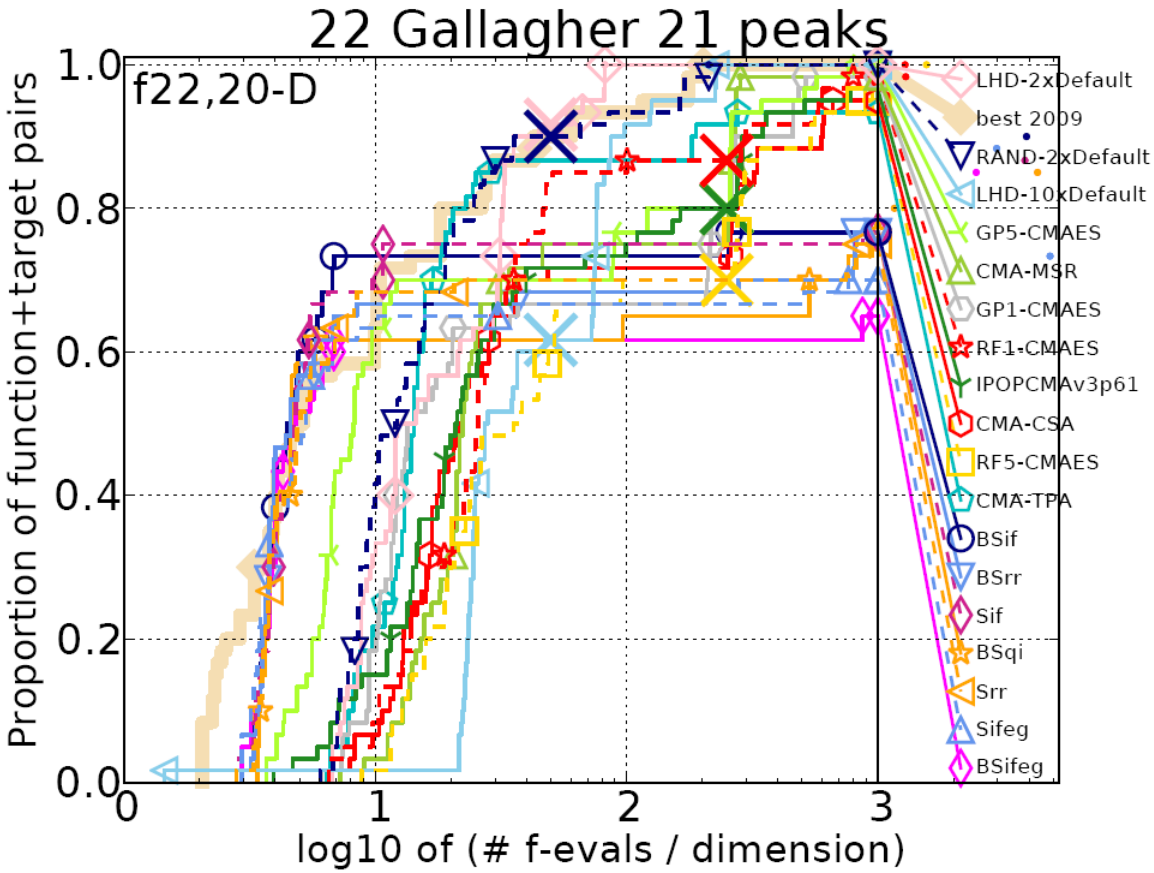
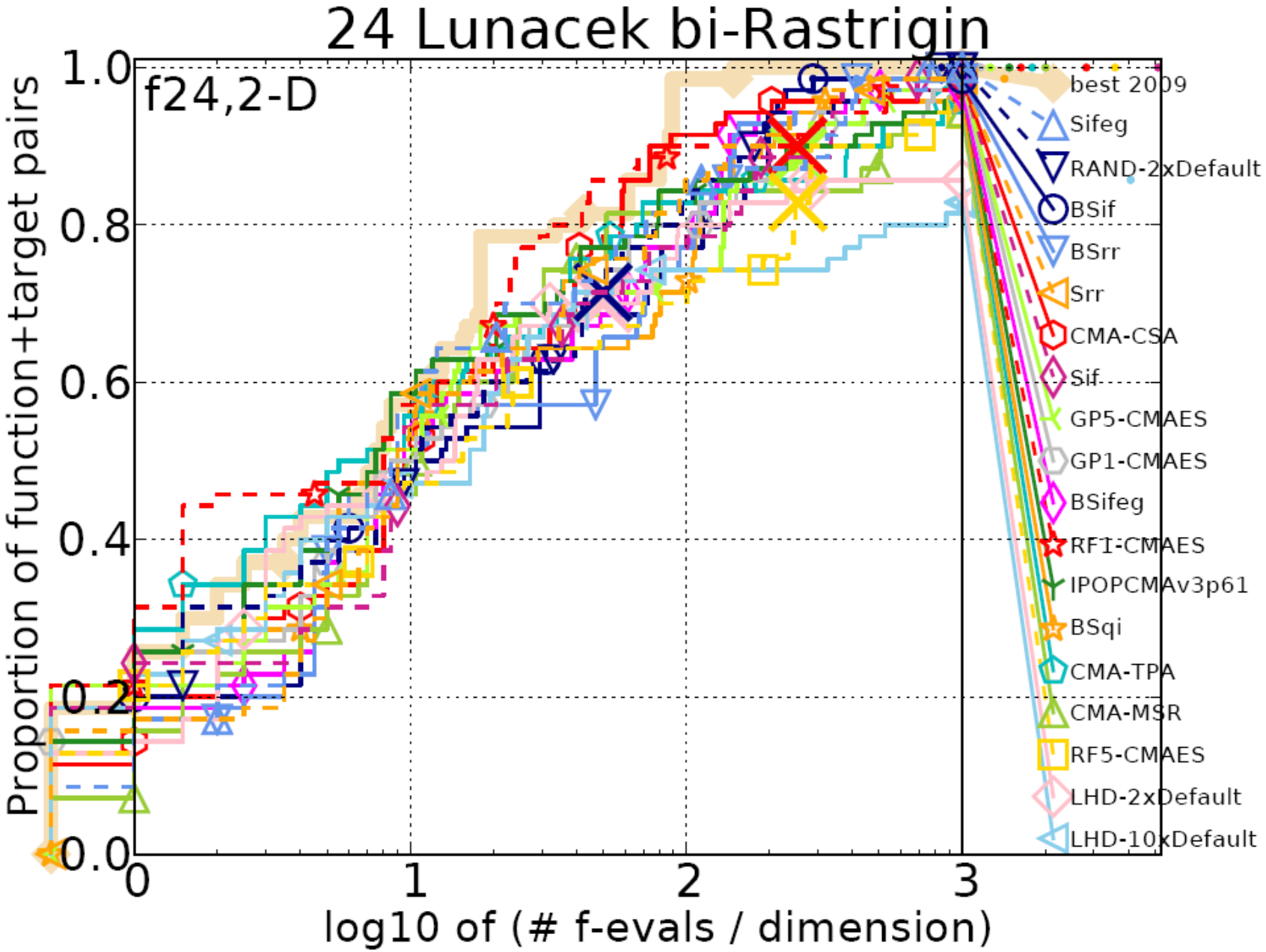




Last Function...



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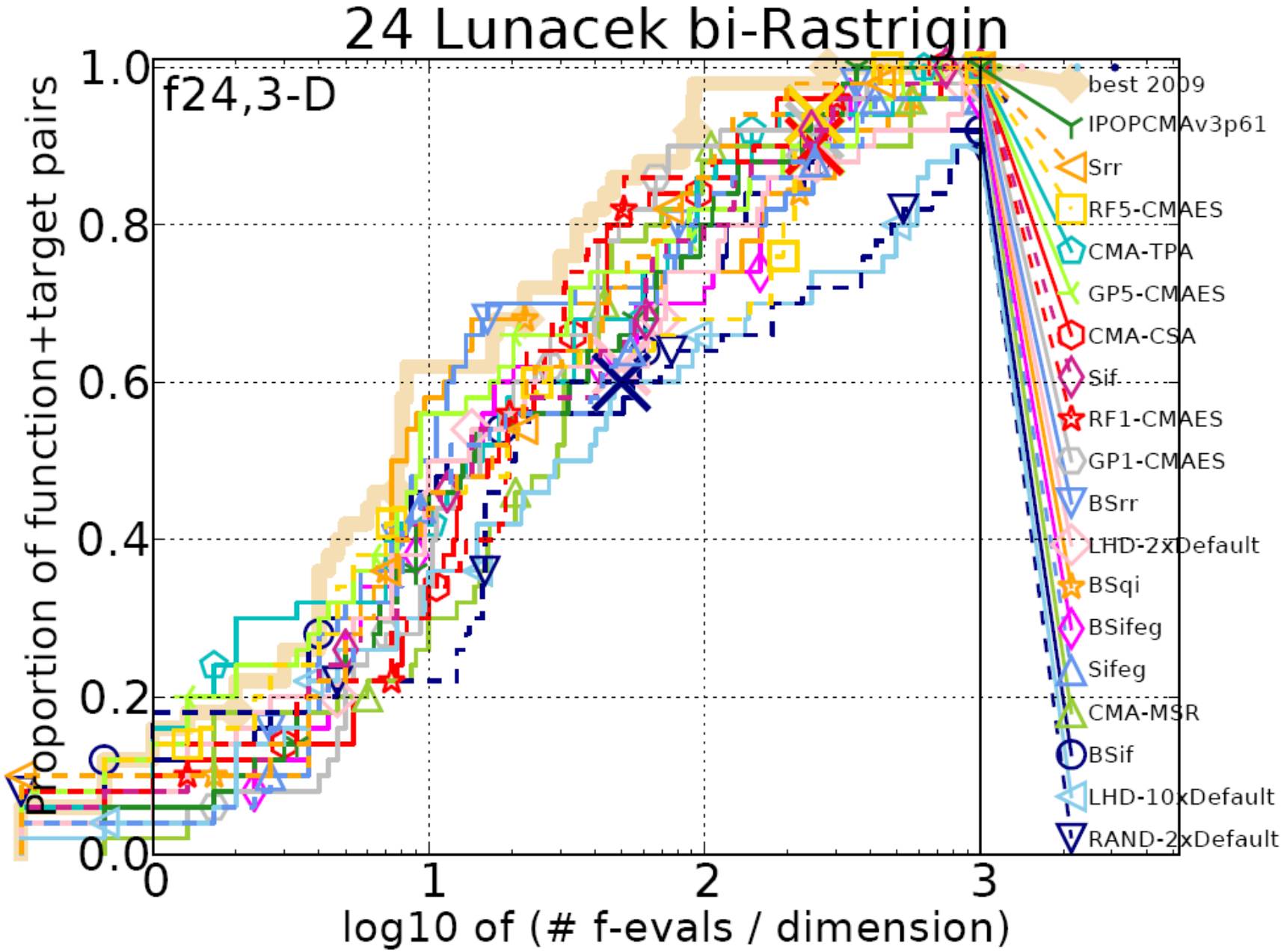

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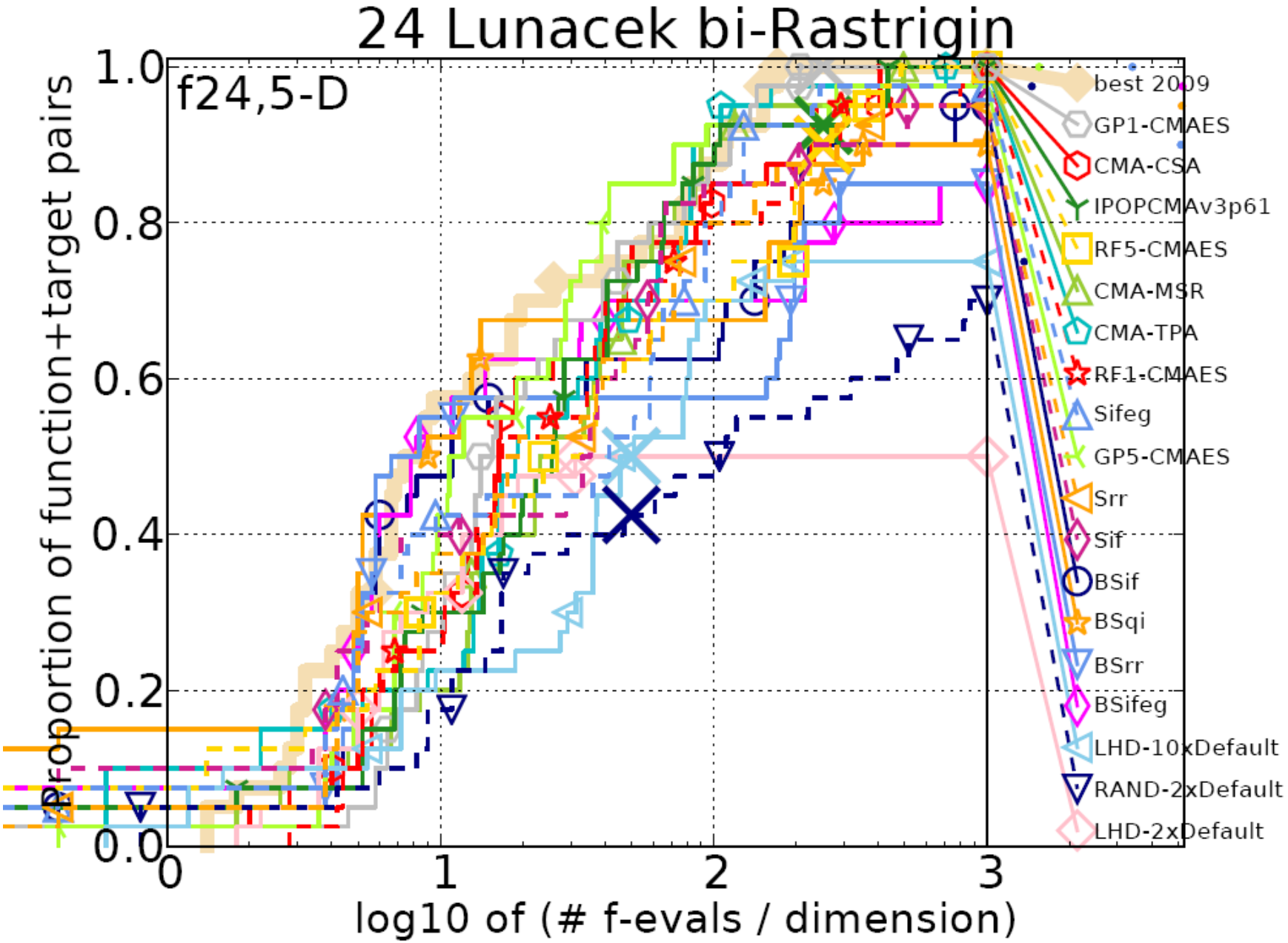

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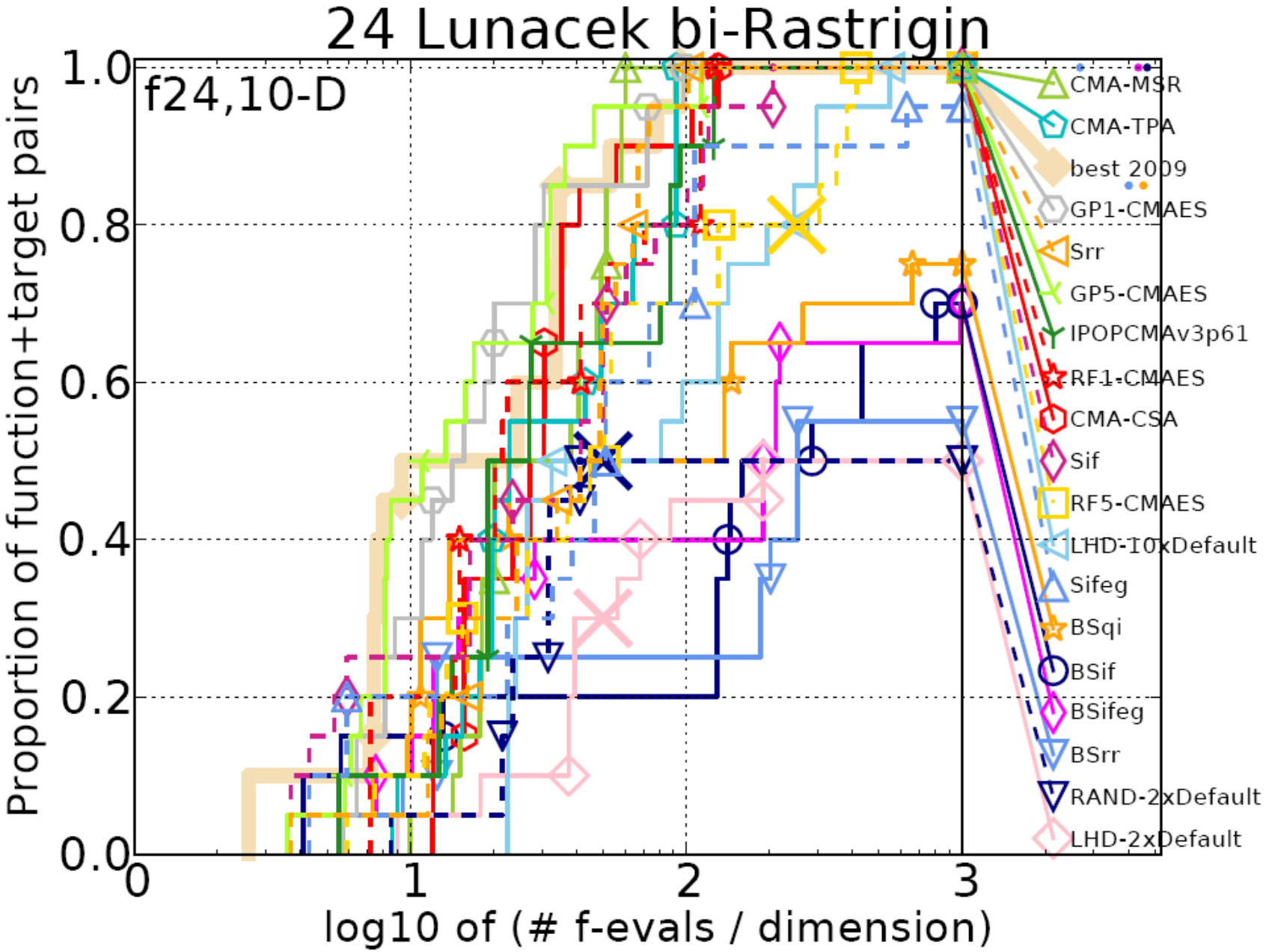

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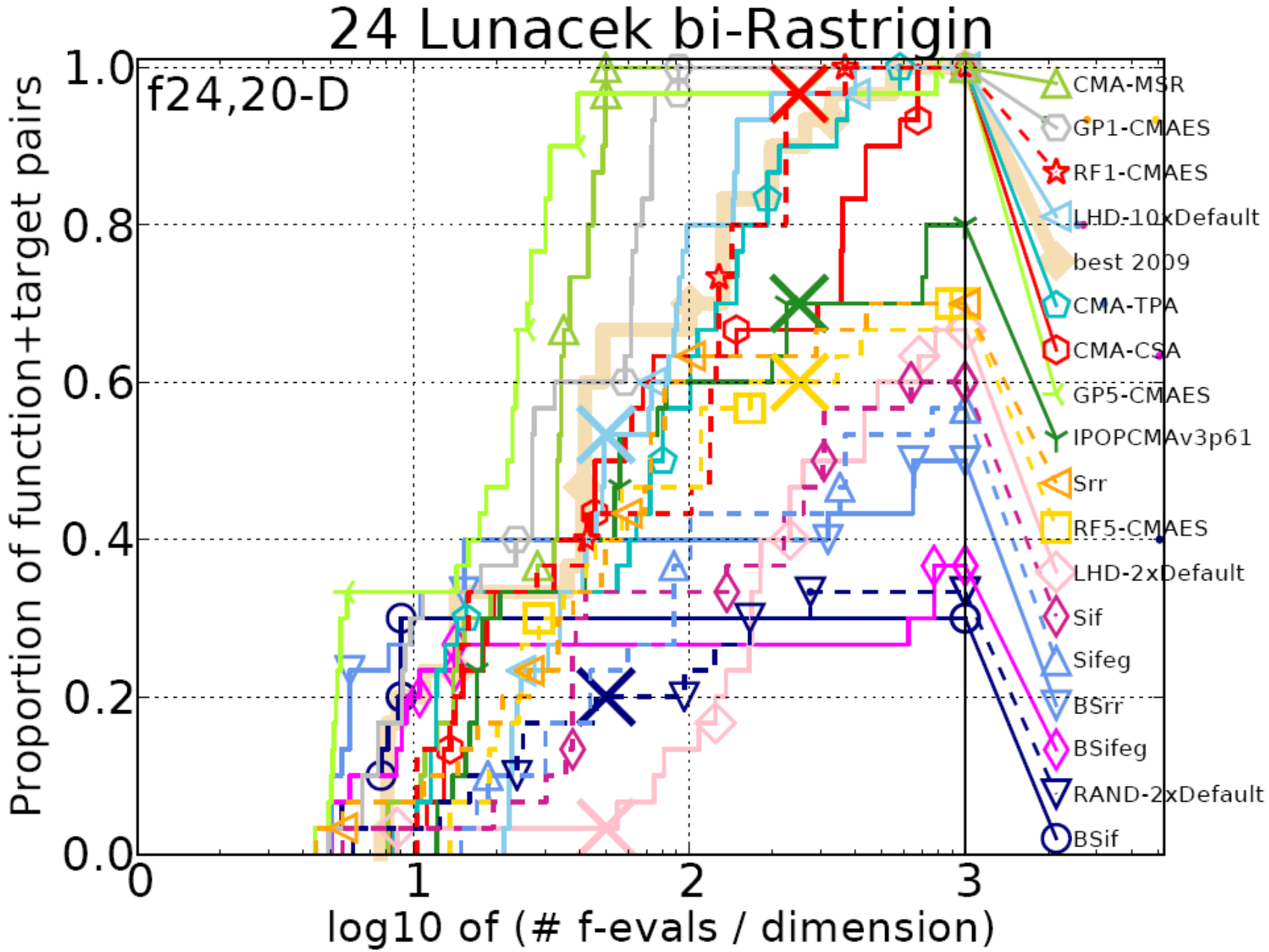

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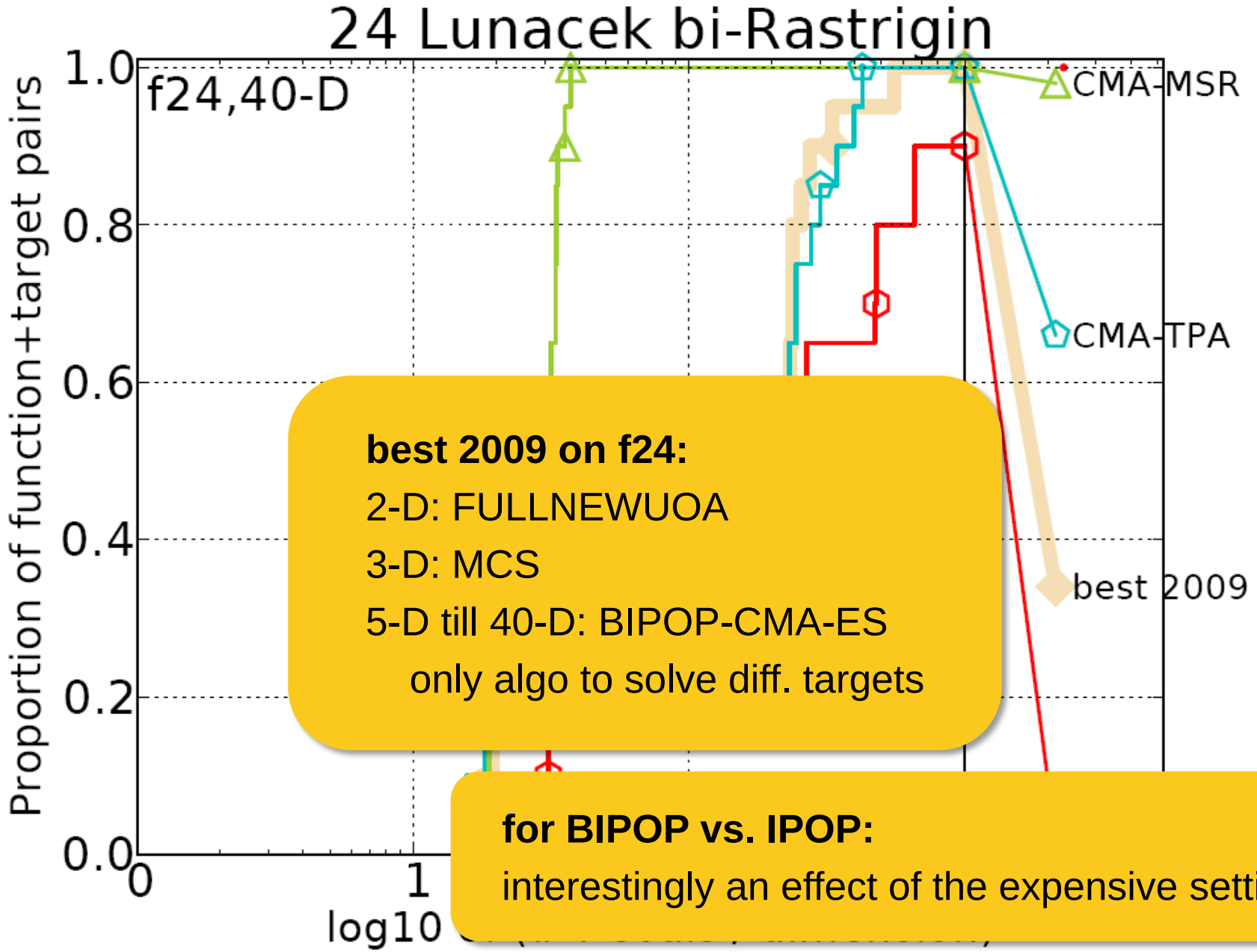

best 2009 on f24:

2-D: FULLNEWUOA

3-D: MCS

5-D till 40-D: BIPOP-CMA-ES

only algo to solve diff. targets

for BIPOP vs. IPOP:

interestingly an effect of the expensive setting

Conclusions

- reduction in number of submissions over the years
- however, number of submitted algorithms rather stable
- no submissions for noisy testbed in 2015 and 2013
- expensive vs. non-expensive about half in 2015

http://coco.gforge.inria.fr

http://lists.lri.fr/cgi-bin/mailman/listinfo/bbob-discuss