

Figure 2: Empirical cumulative distribution of simulated (bootstrapped) runtimes, measured in number of objective function evaluations, divided by dimension (FEvals/DIM) for the 51 targets $10^{[-8..2]}$ in dimension 5.

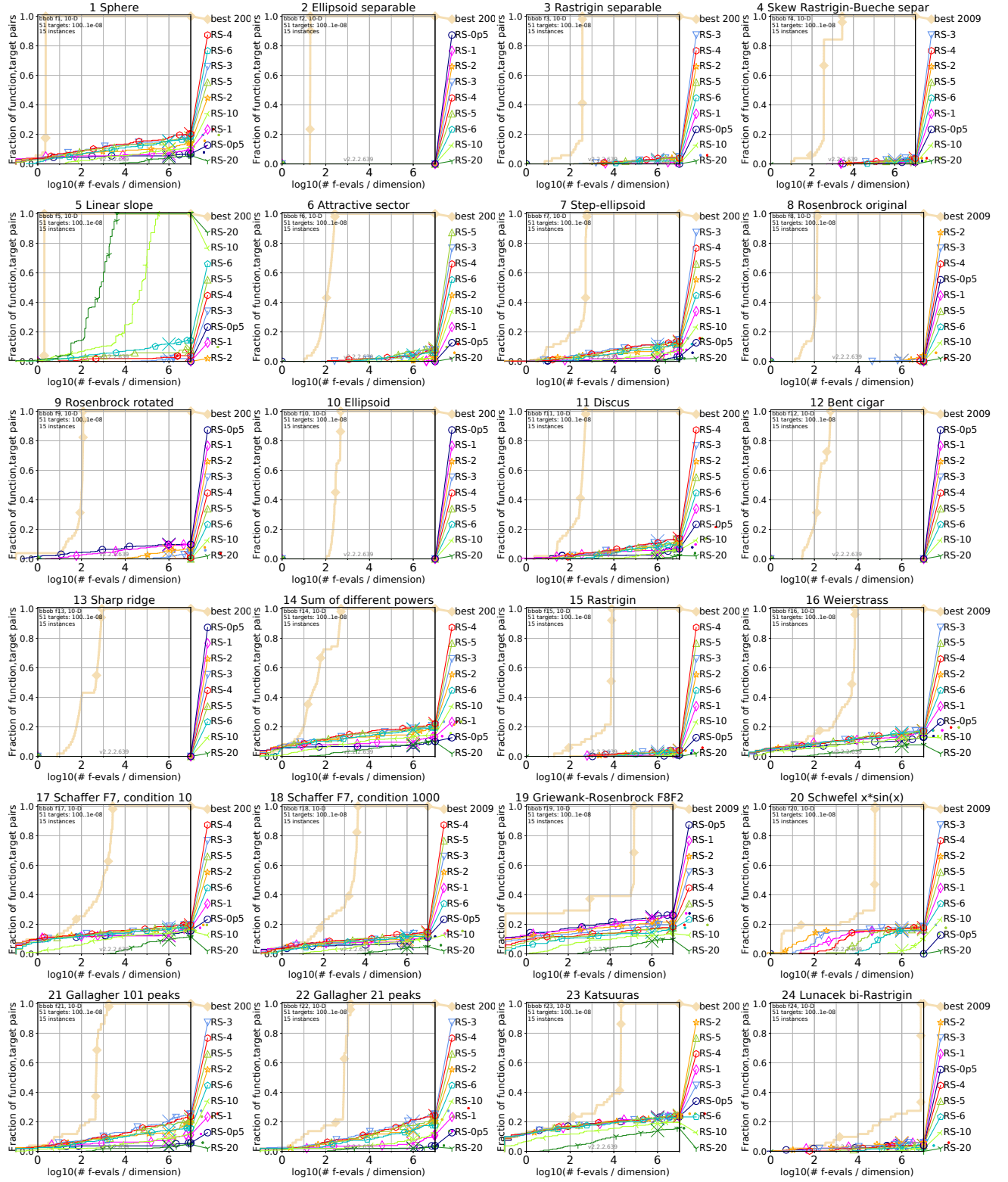


Figure 3: Empirical cumulative distribution of simulated (bootstrapped) runtimes, measured in number of objective function evaluations, divided by dimension (FEvals/DIM) for the 51 targets $10^{[-8..2]}$ in dimension 10.

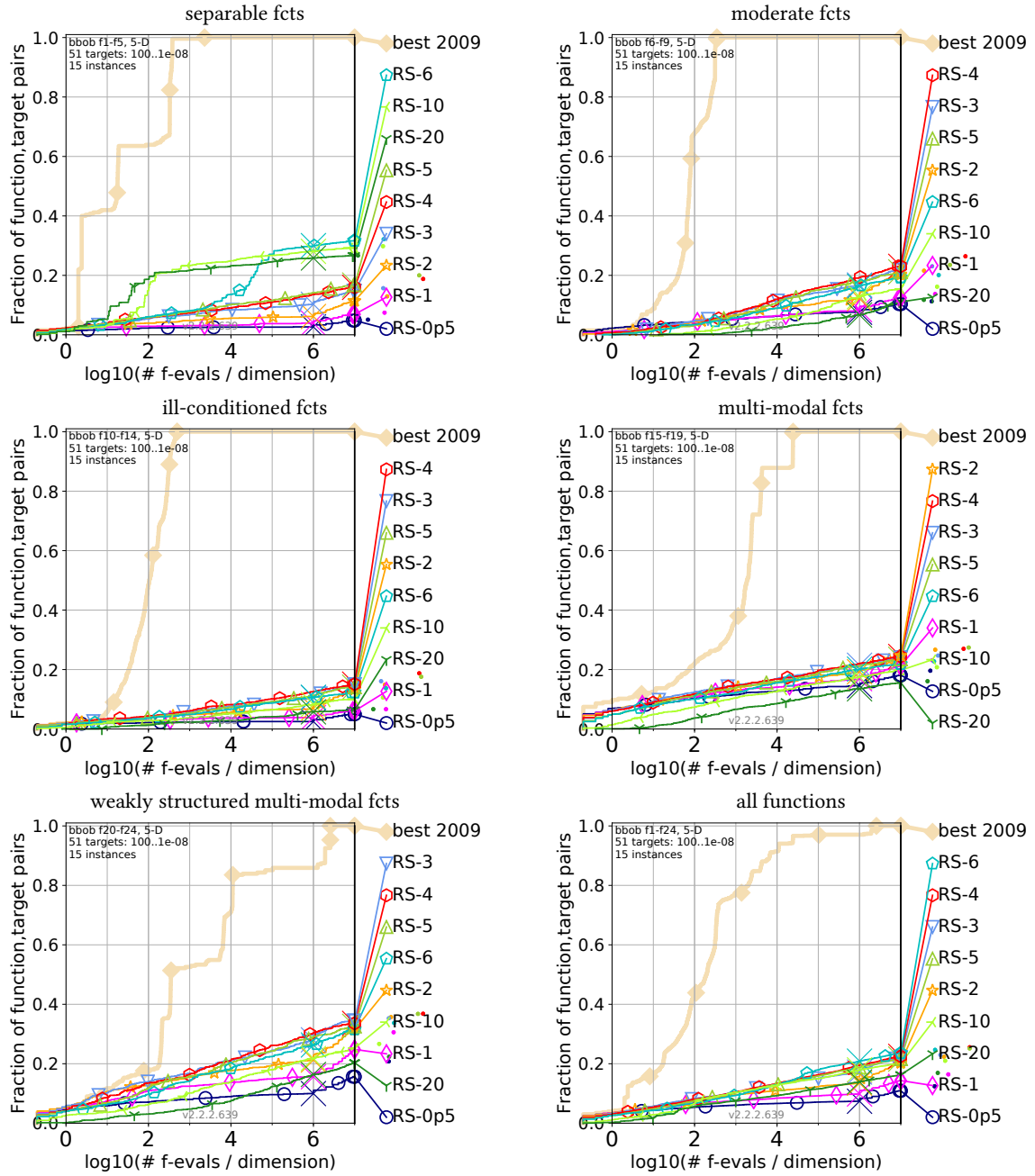


Figure 4: Bootstrapped empirical cumulative distribution of the number of objective function evaluations divided by dimension (FEvals/DIM) for 51 targets with target precision in $10^{[-8..2]}$ for all functions and subgroups in 5-D. As reference algorithm, the best algorithm from BBOB 2009 is shown as light thick line with diamond markers.

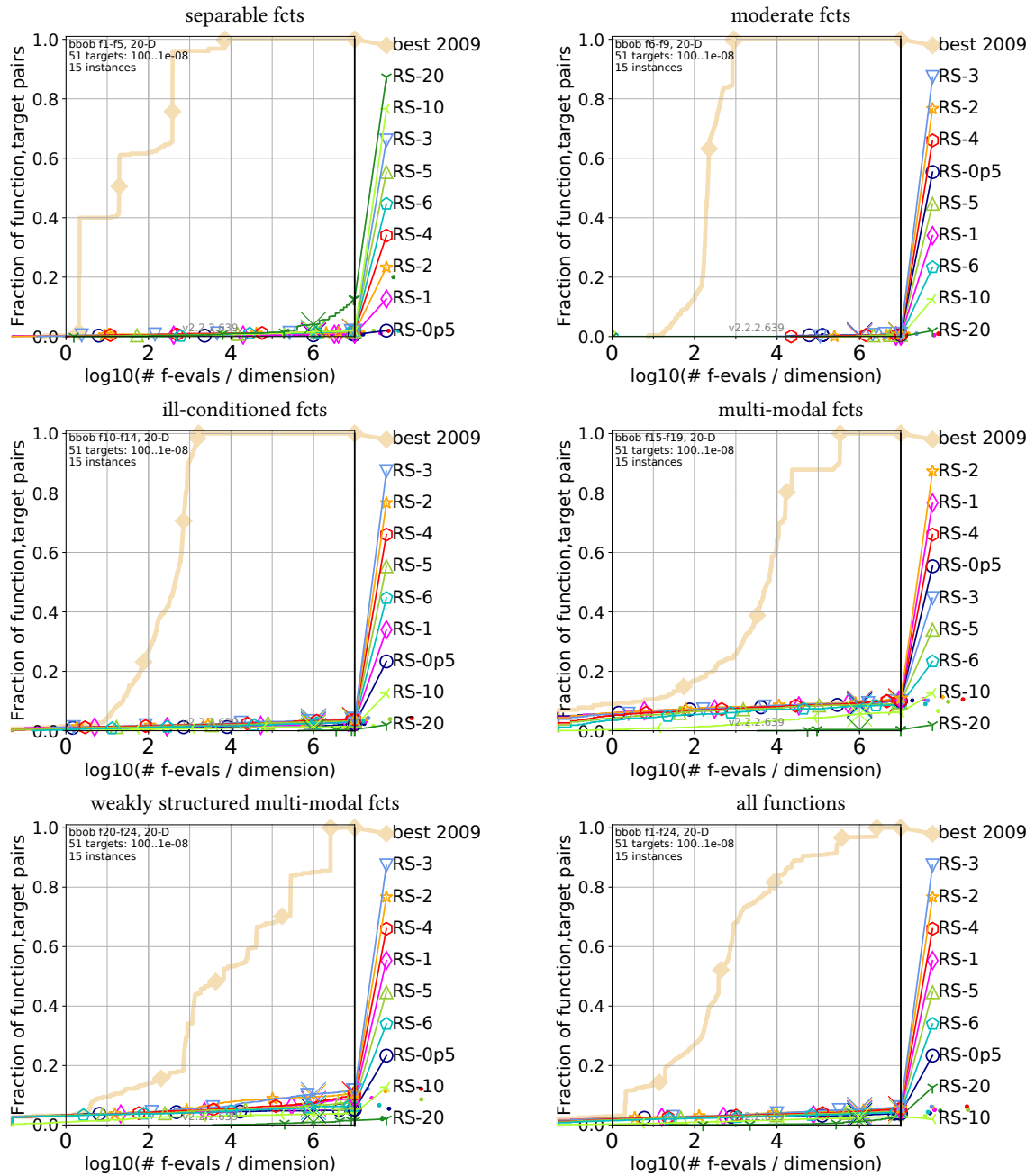


Figure 5: Bootstrapped empirical cumulative distribution of the number of objective function evaluations divided by dimension (FEvals/DIM) for 51 targets with target precision in $10^{[-8..2]}$ for all functions and subgroups in 20-D. As reference algorithm, the best algorithm from BBOB 2009 is shown as light thick line with diamond markers.

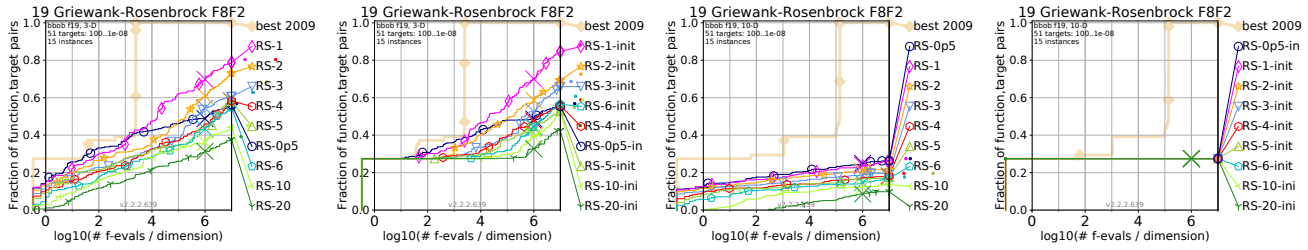


Figure 6: Empirical cumulative distribution functions of the runtime to reach certain targets on the Griewank-Rosenbrock function for the random search variants without (first and third plot) and with evaluating the origin first (second and fourth) in dimension (left two plots) and dimension 10 (right two plots).

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