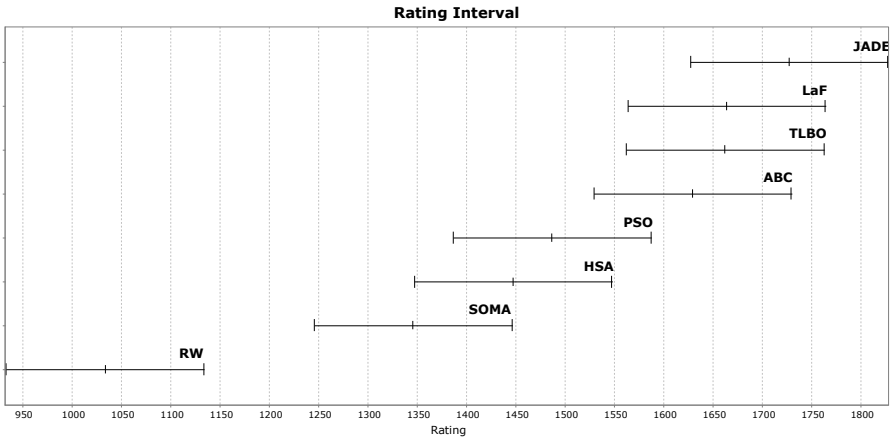
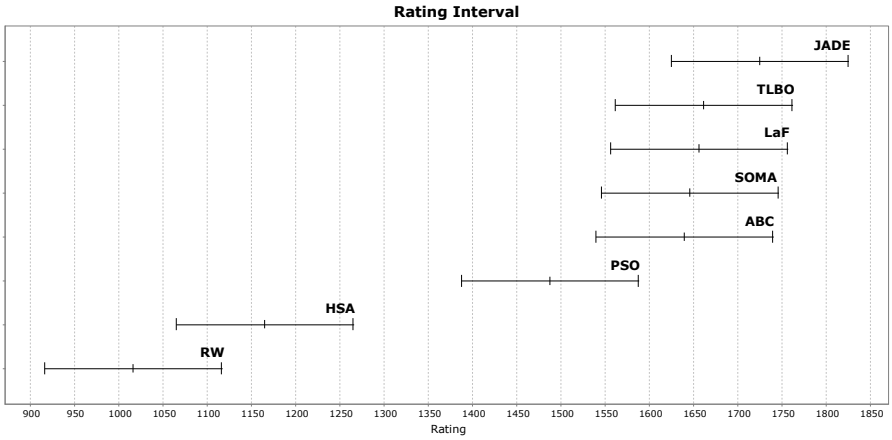
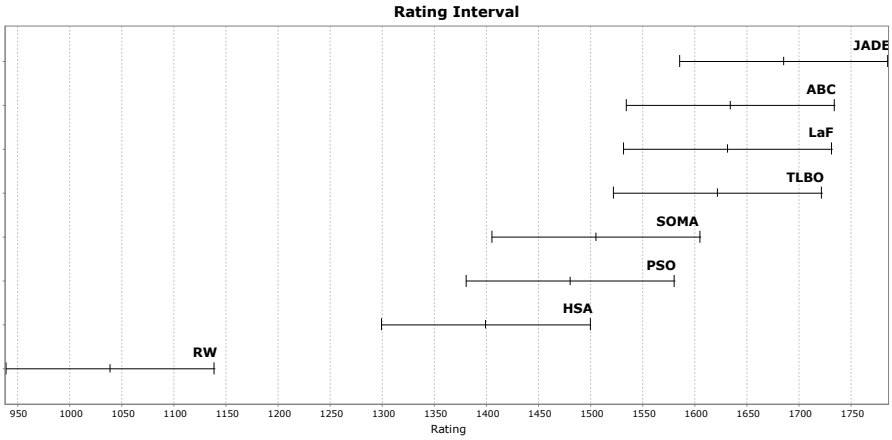
1 Rating intervals for the 36 problems benchmark



(a) Rating intervals for 100,000 evaluations.

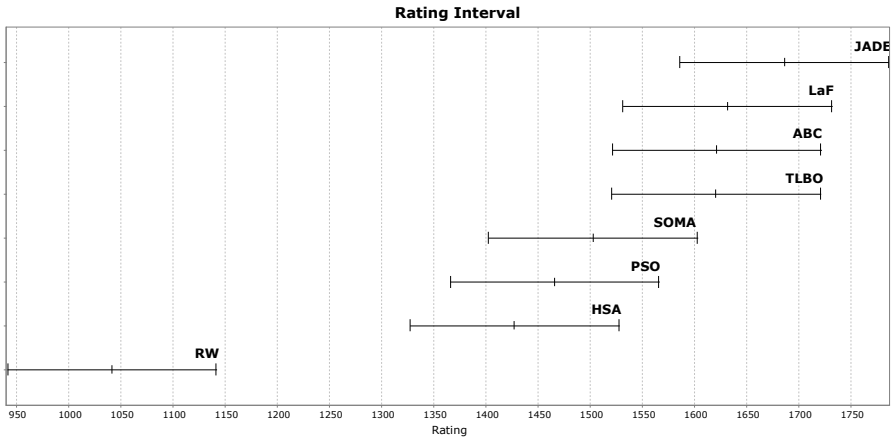


(b) Rating intervals for 2,000 generations.

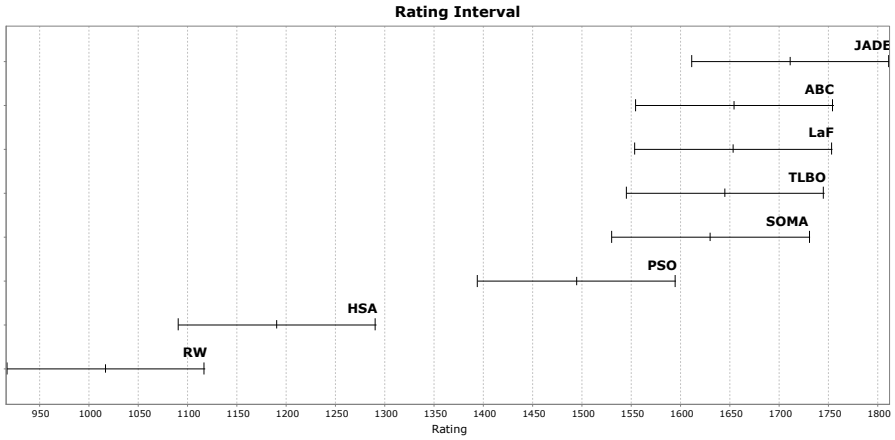


(c) Rating intervals for 100,000 evaluations in CPU time.

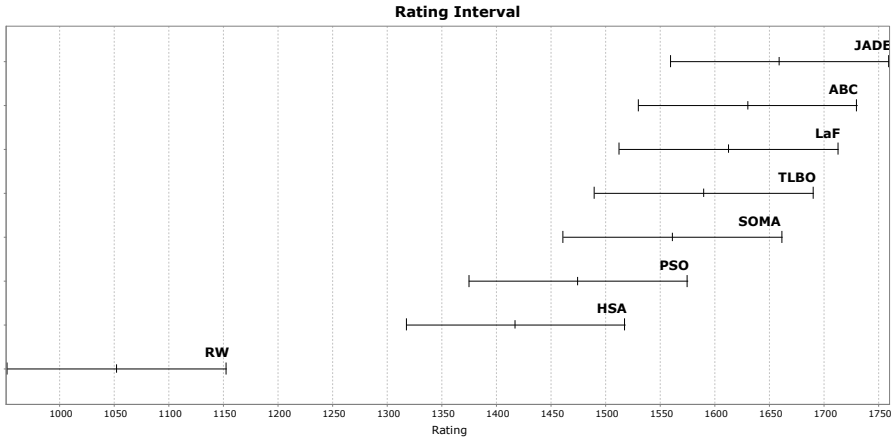
Figure 1: Rating intervals of group one for the 36 problems benchmark.



(a) Rating intervals for 300,000 evaluations.

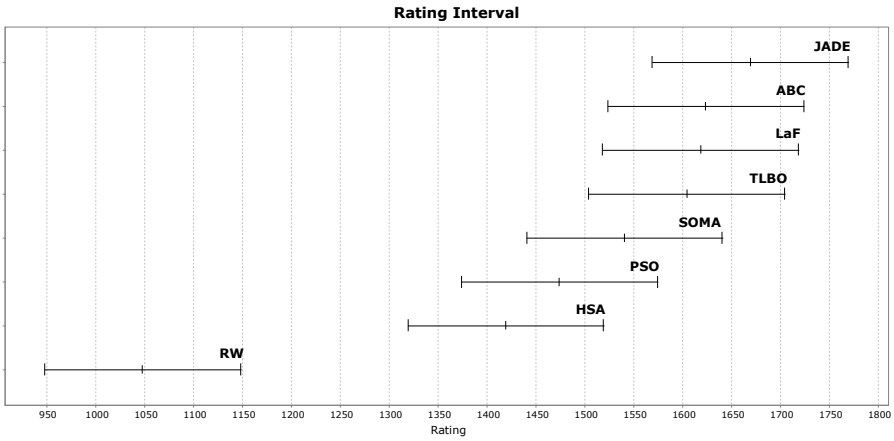


(b) Rating intervals for 6,000 generations.

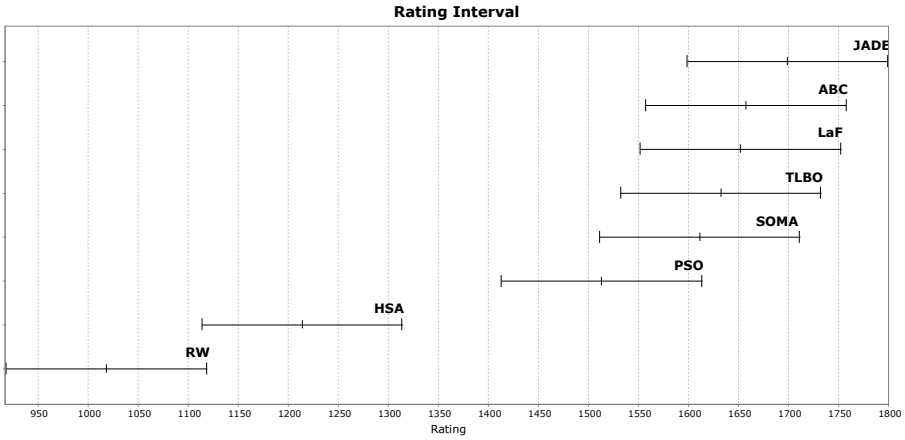


(c) Rating intervals for 300,000 evaluations in CPU time.

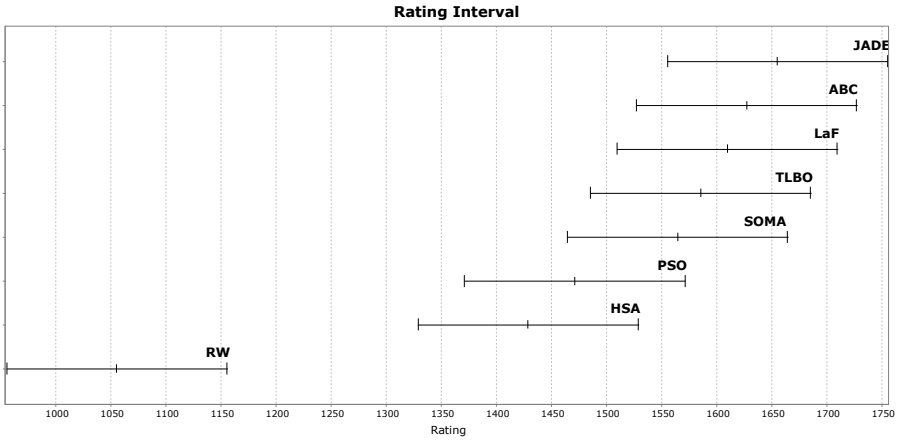
Figure 2: Rating intervals of group two for the 36 problems benchmark.



(a) Rating intervals for 500,000 evaluations.



(b) Rating intervals for 10,000 generations.



(c) Rating intervals for 500,000 evaluations in CPU time.

Figure 3: Rating intervals of group three for the 36 problems benchmark.

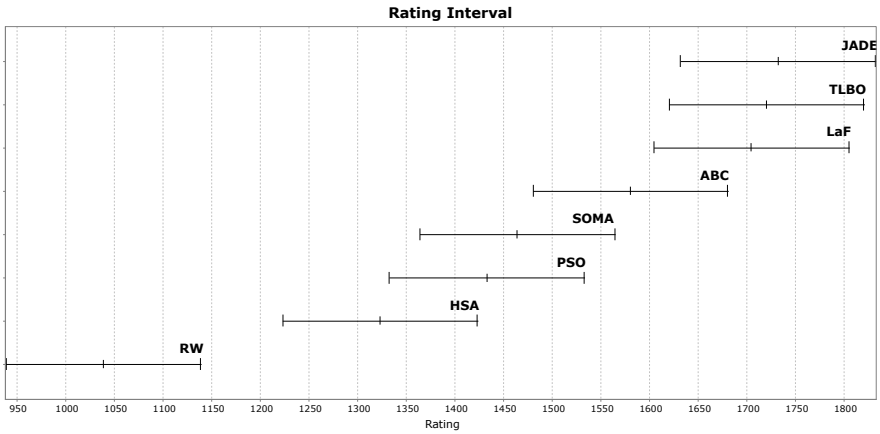
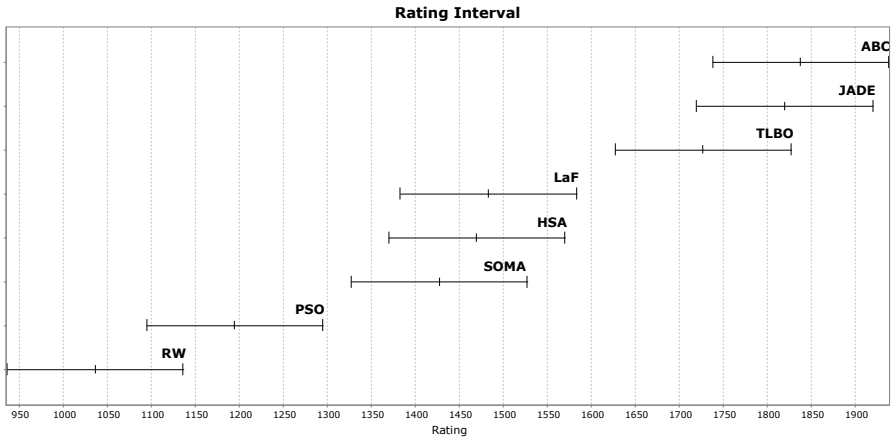
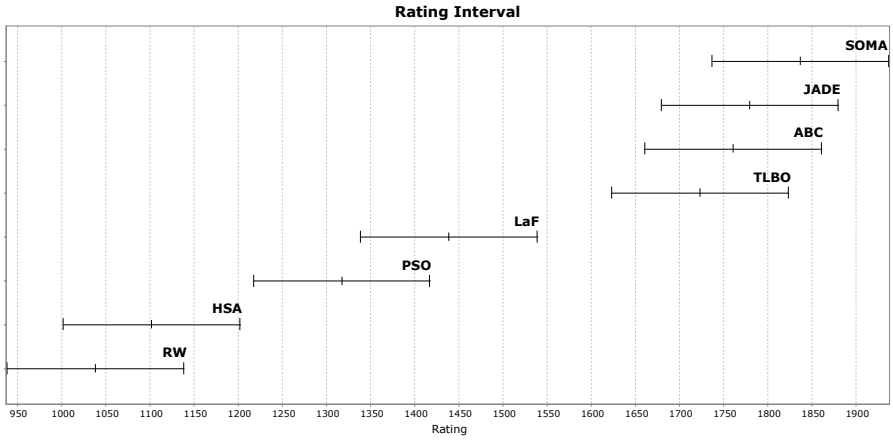


Figure 4: Rating intervals for group four (hitting a bound) for the 36 problems benchmark.

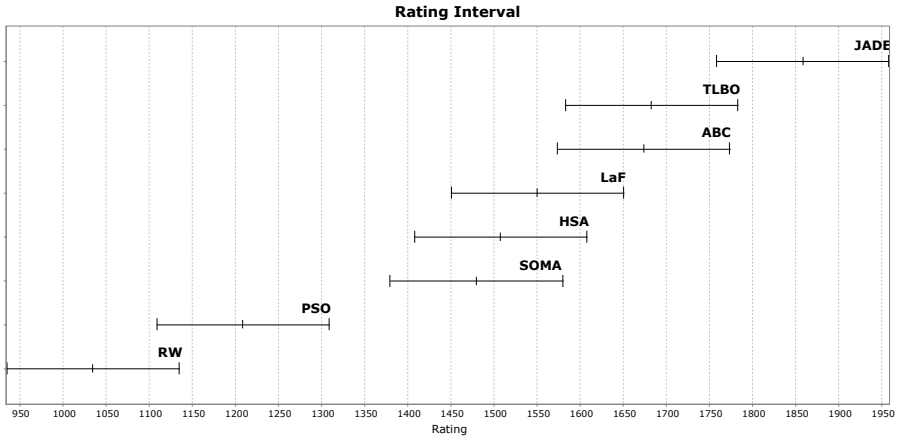
2 Rating intervals for the Soil model problem benchmark



(a) Rating intervals for 100,000 evaluations.

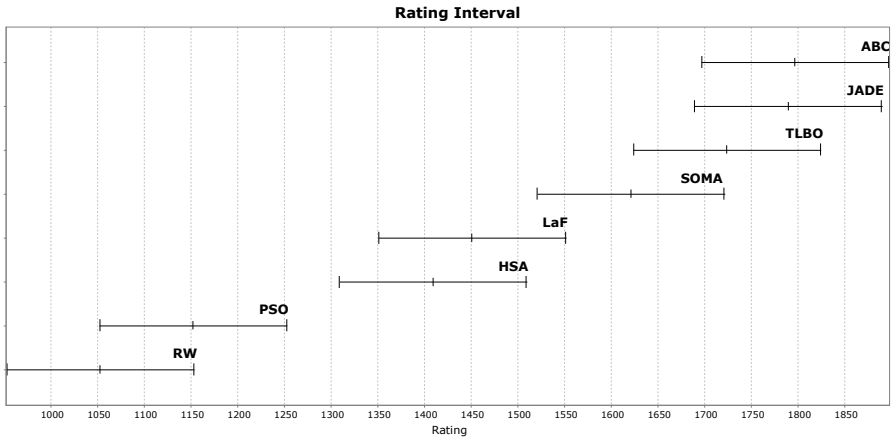


(b) Rating intervals for 2,000 generations.

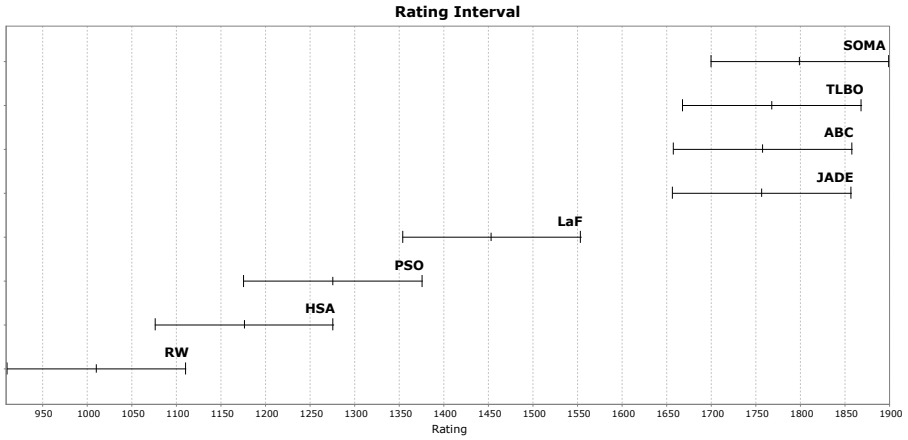


(c) Rating intervals for 100,000 evaluations in CPU time.

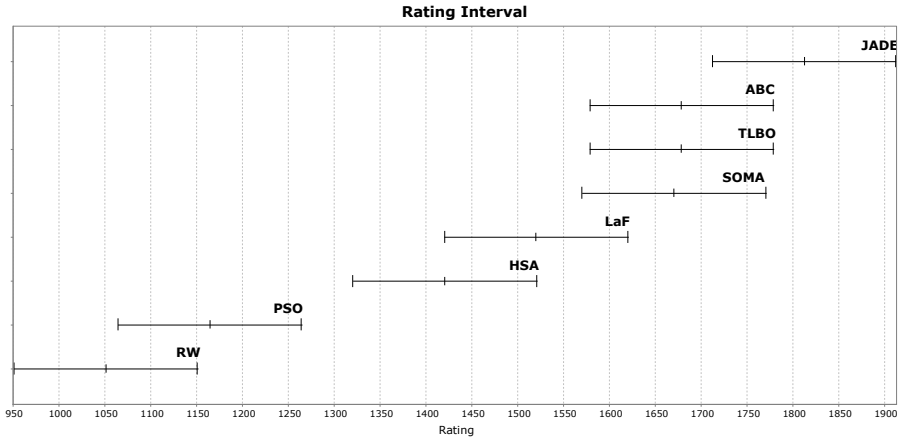
Figure 5: Rating intervals of group one for the Soil model problem benchmark.



(a) Rating intervals for 300,000 evaluations.

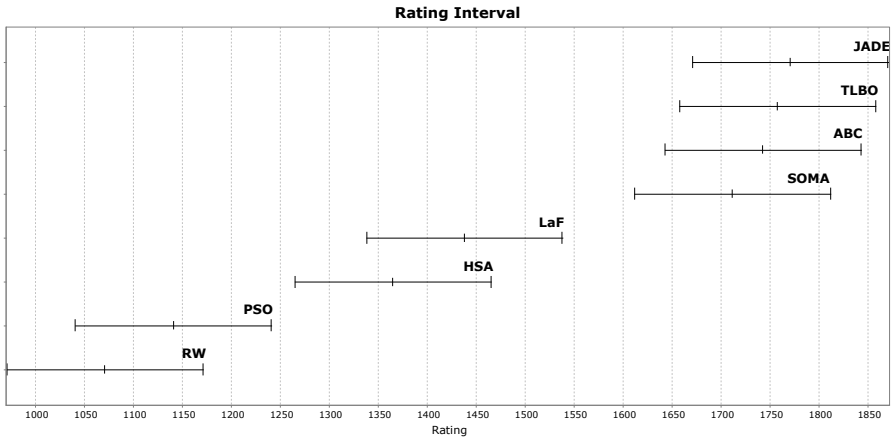


(b) Rating intervals for 6,000 generations.

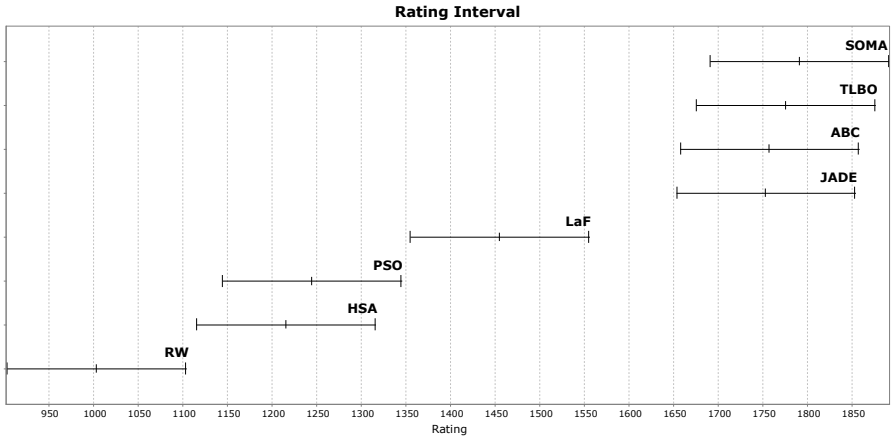


(c) Rating intervals for 300,000 evaluations in CPU time.

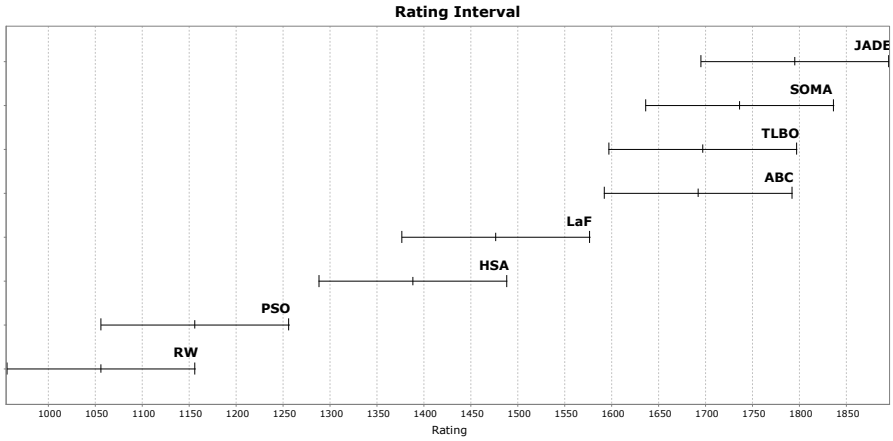
Figure 6: Rating intervals of group two for the Soil model problem benchmark.



(a) Rating intervals for 500,000 evaluations.



(b) Rating intervals for 10,000 generations.



(c) Rating intervals for 500,000 evaluations in CPU time.

Figure 7: Rating intervals of group three for the Soil model problem benchmark.

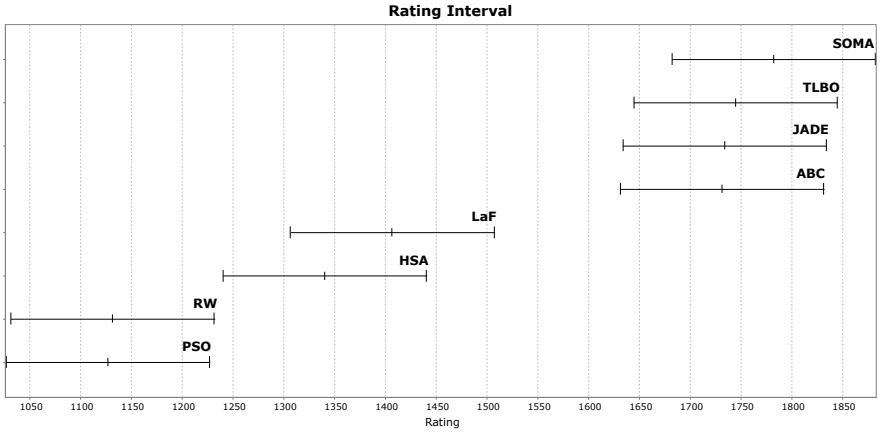
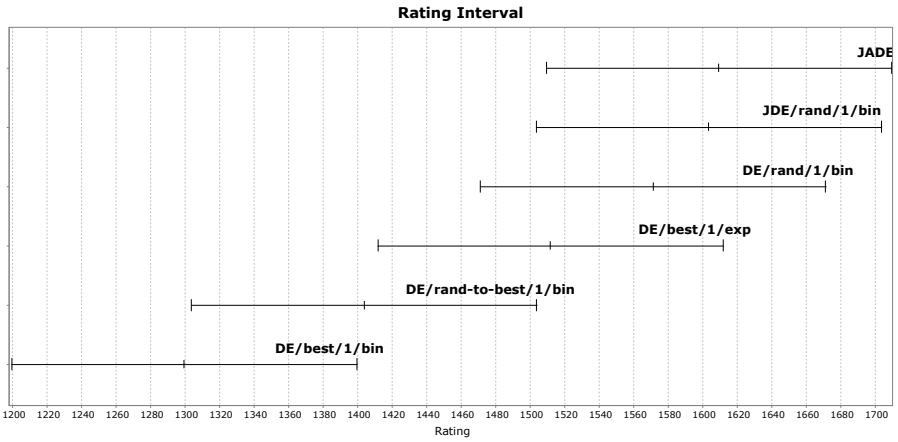
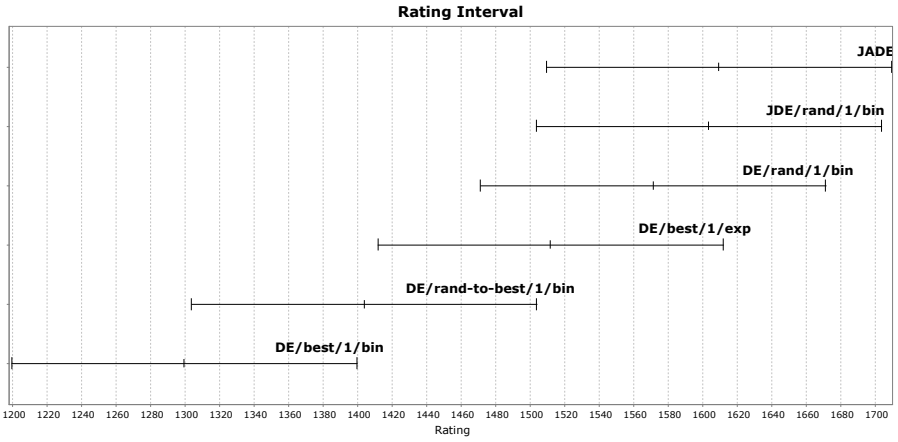


Figure 8: Rating intervals for group four (hitting a bound) for the Soil model problem benchmark.

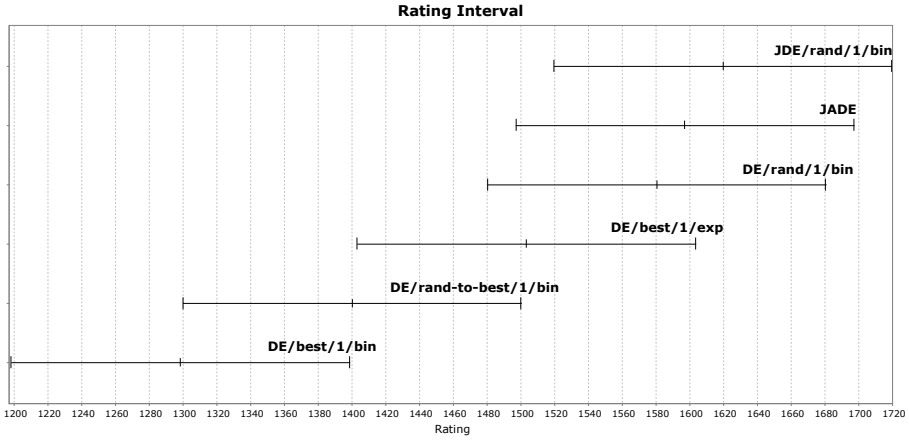
3 Rating intervals for DE variations for the 36 problems benchmark



(a) Rating intervals for 100,000 evaluations.

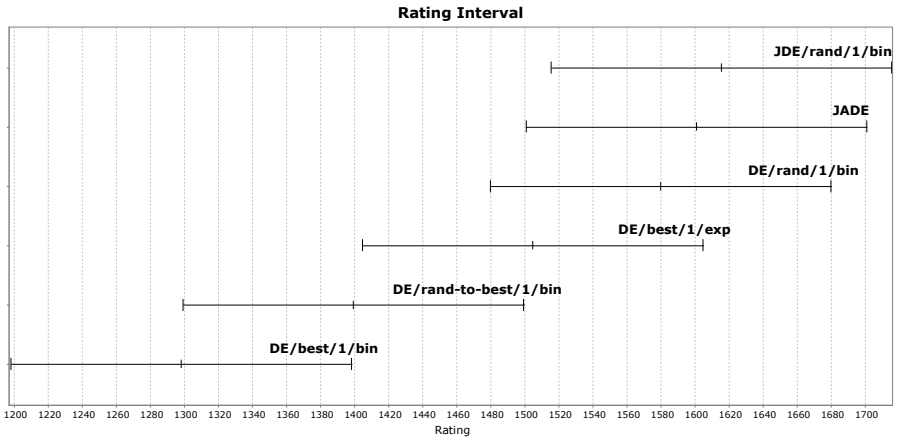


(b) Rating intervals for 2,000 generations.

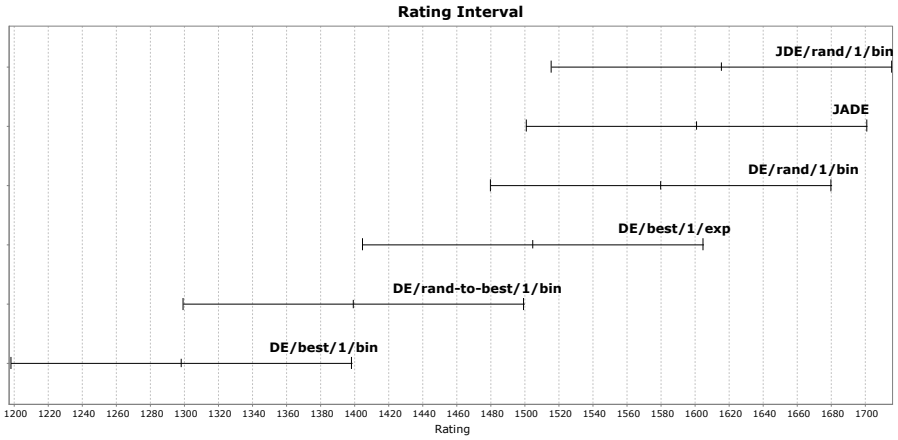


(c) Rating intervals for 100,000 evaluations in CPU time.

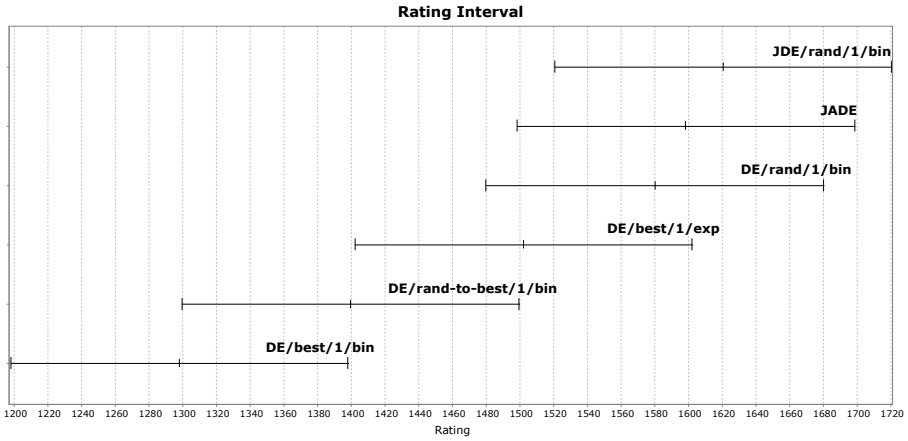
Figure 9: Rating intervals of group one for the 36 problems benchmark.



(a) Rating intervals for 300,000 evaluations.

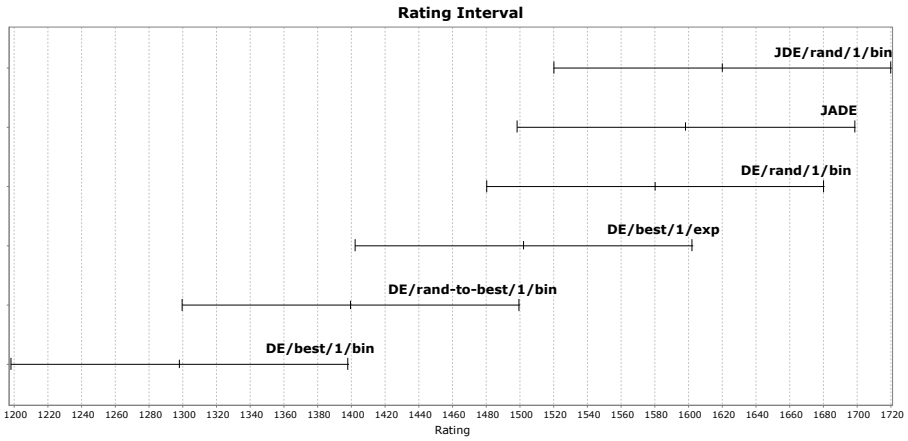


(b) Rating intervals for 6,000 generations.

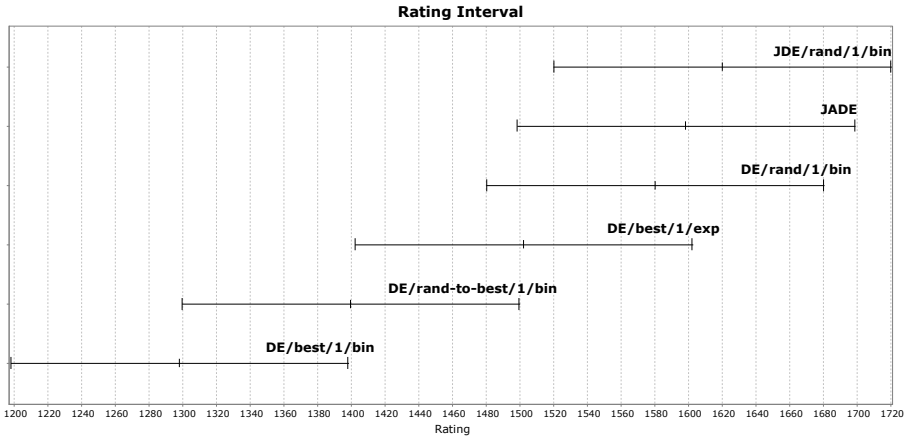


(c) Rating intervals for 300,000 evaluations in CPU time.

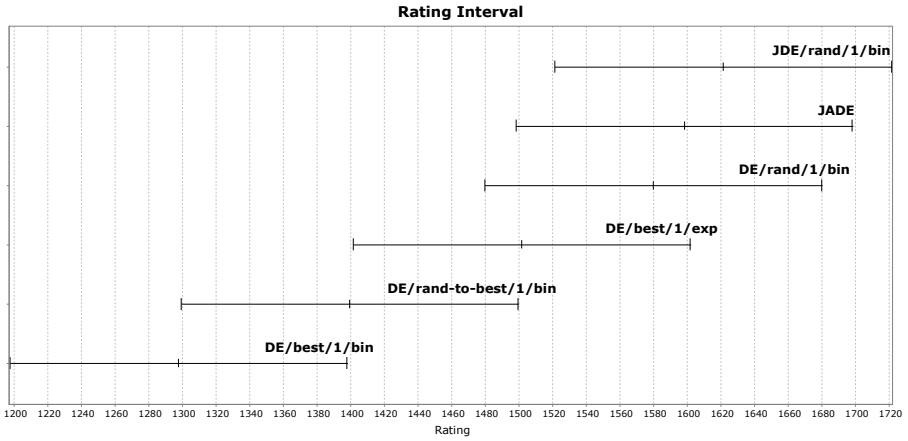
Figure 10: Rating intervals of group two for the 36 problems benchmark.



(a) Rating intervals for 500,000 evaluations.



(b) Rating intervals for 10,000 generations.



(c) Rating intervals for 500,000 evaluations in CPU time.

Figure 11: Rating intervals of group three for the 36 problems benchmark.

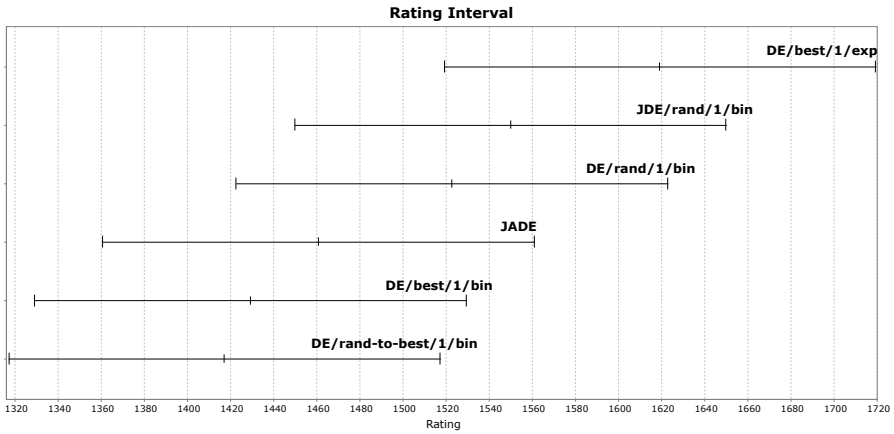
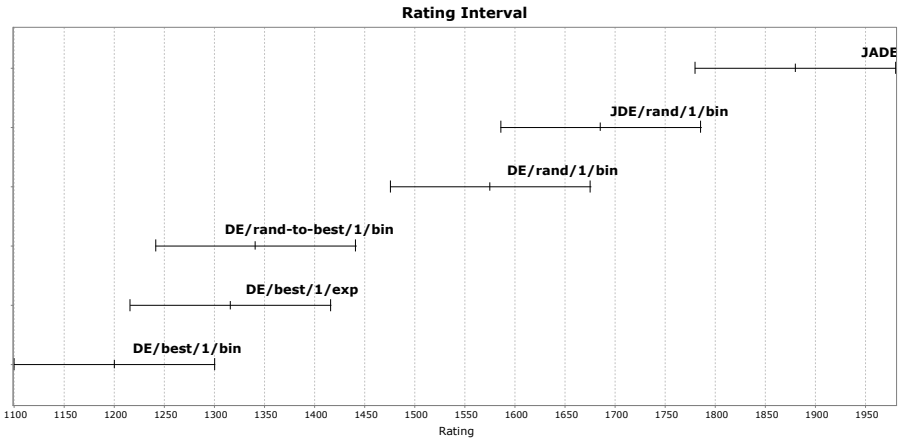
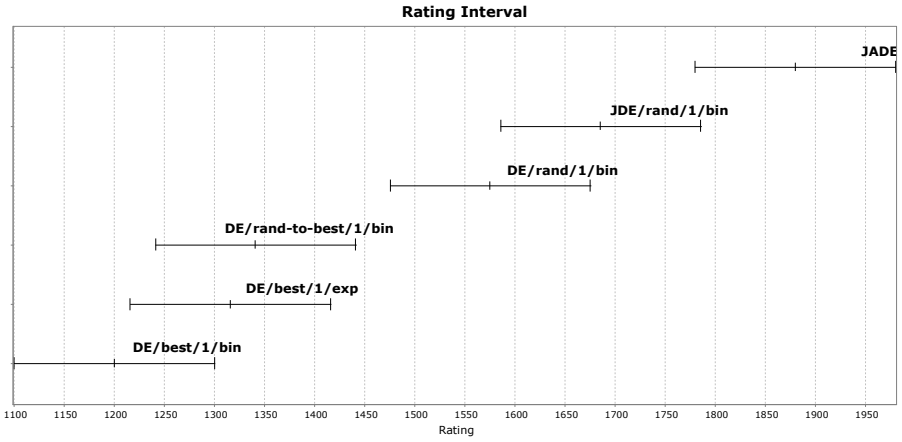


Figure 12: Rating intervals for group four (hitting a bound) for the 36 problems benchmark.

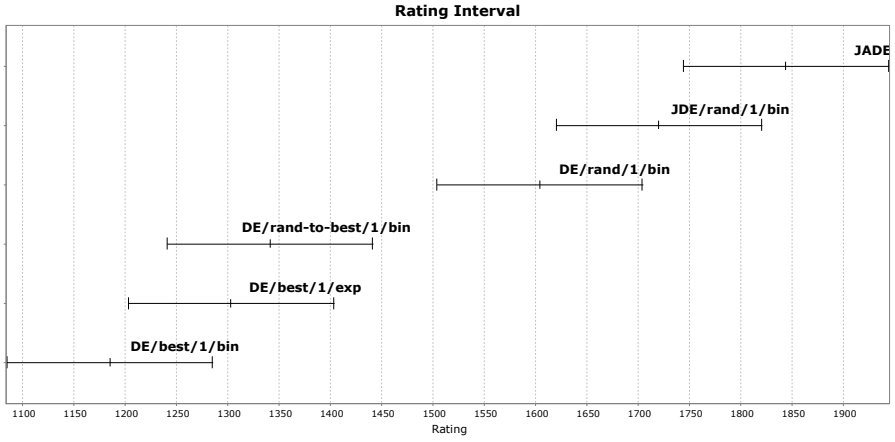
4 Rating intervals for DE variations for the Soil model problem benchmark



(a) Rating intervals for 100,000 evaluations.

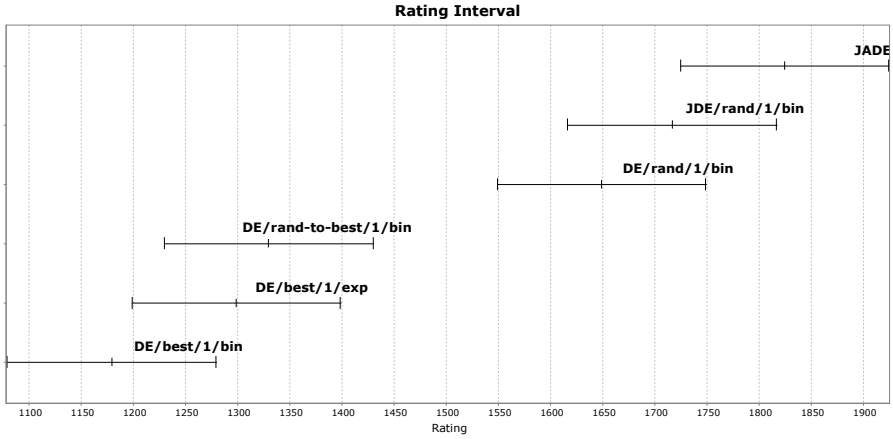


(b) Rating intervals for 2,000 generations.

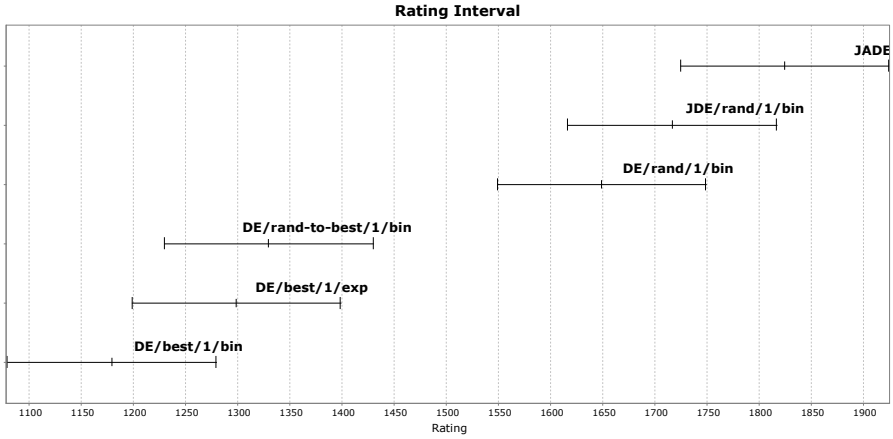


(c) Rating intervals for 100,000 evaluations in CPU time.

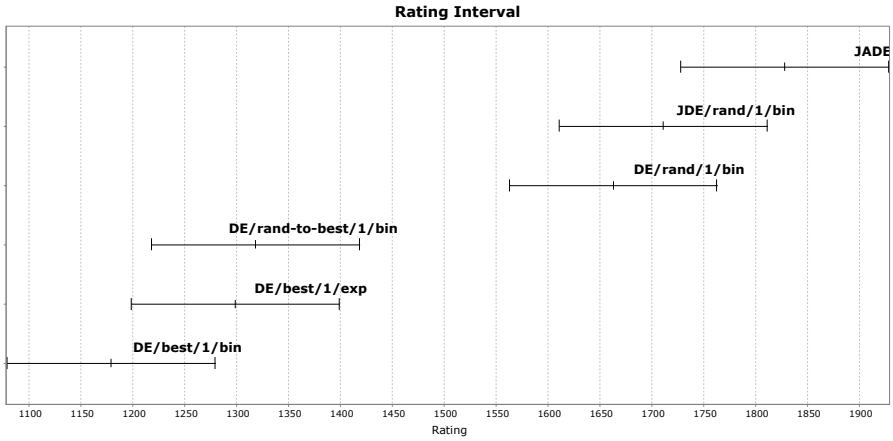
Figure 13: Rating intervals of group one for the Soil model problem benchmark.



(a) Rating intervals for 300,000 evaluations.

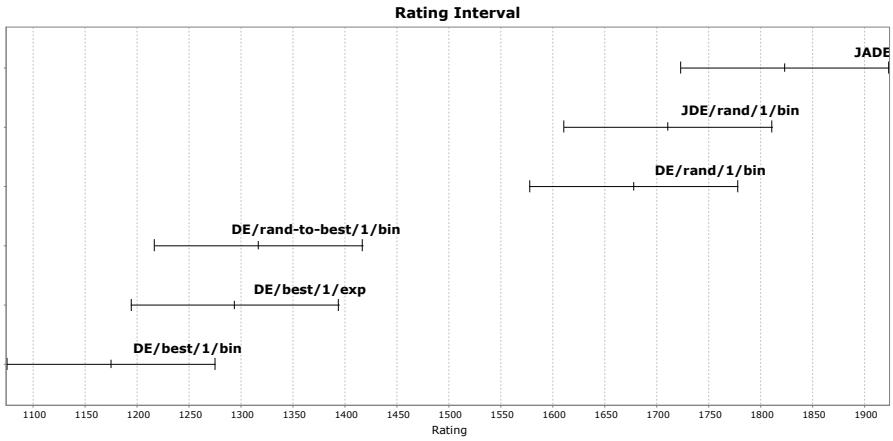


(b) Rating intervals for 6,000 generations.

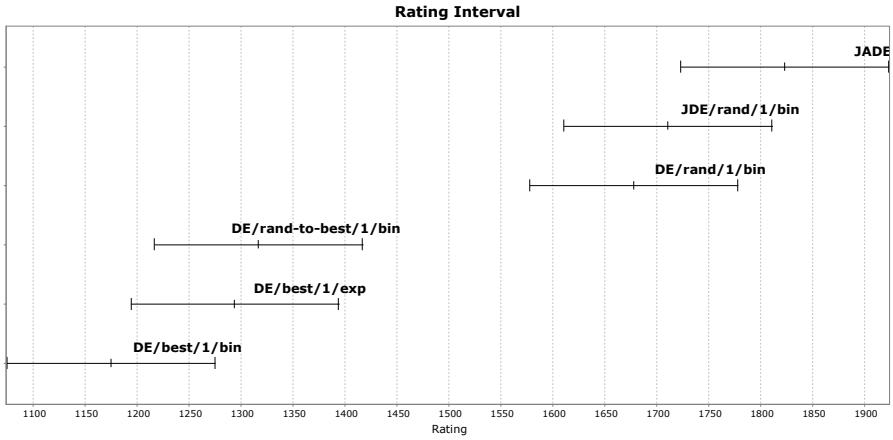


(c) Rating intervals for 300,000 evaluations in CPU time.

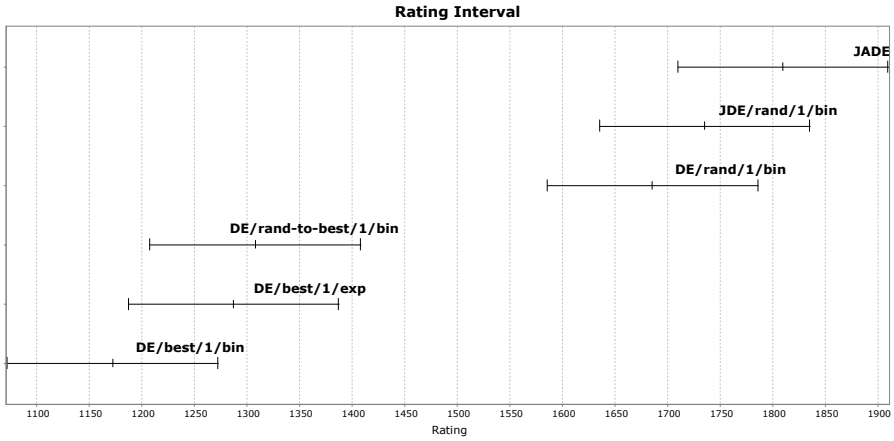
Figure 14: Rating intervals of group two for the Soil model problem benchmark.



(a) Rating intervals for 500,000 evaluations.



(b) Rating intervals for 10,000 generations.



(c) Rating intervals for 500,000 evaluations in CPU time.

Figure 15: Rating intervals of group three for the Soil model problem benchmark.

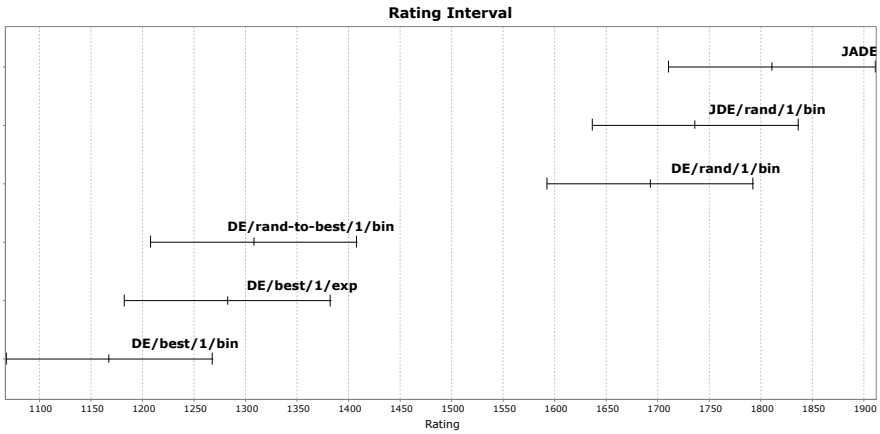


Figure 16: Rating intervals for group four (hitting a bound) for the Soil model problem benchmark.