

The performance files

N_{it} —The number of iteration; N_f —The number of function value evaluation; N_g —The number of gradient evaluation; T_{cpu} —CPU time(s); 80pAndr—The 80 problems given by Andrei; 145pCUTE—The 145 problems from CUTEr, which are the same as that of CG_DESCENT(6.0)

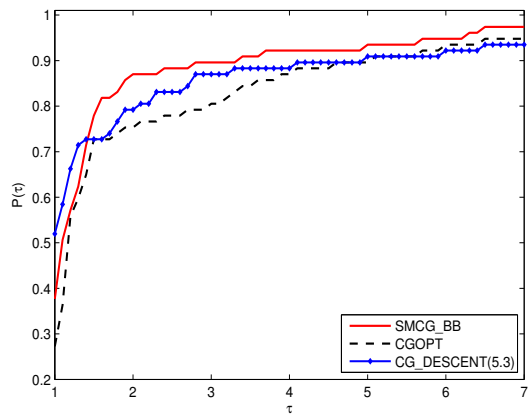


图 1.1 N_{it} (80pAndr)

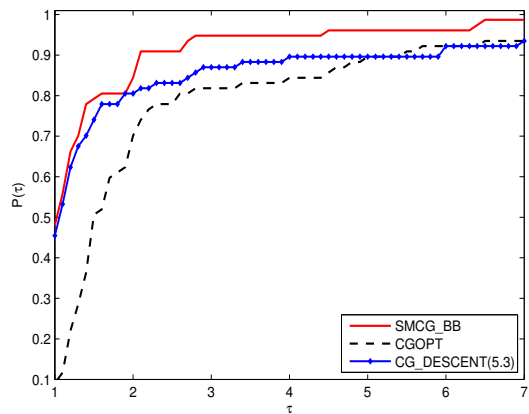


图 1.2 N_f (80pAndr)

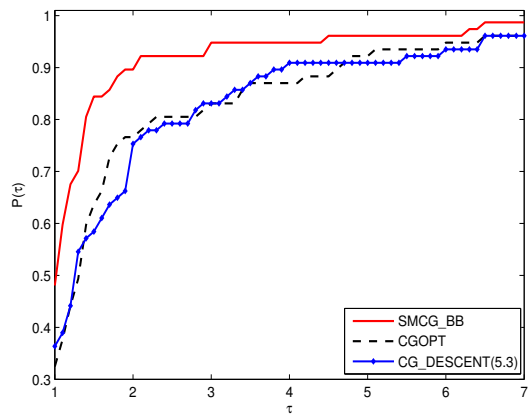


图 1.3 N_g (80pAndr)

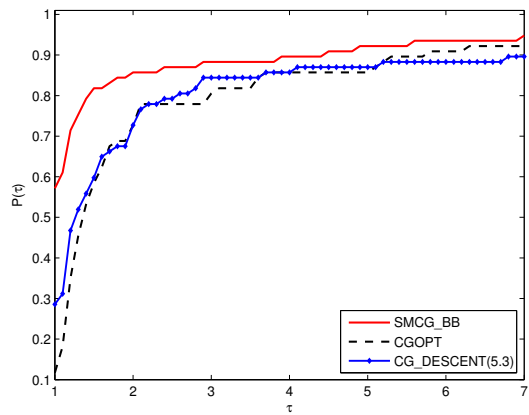


图 1.4 T_{cpu} (80pAndr)

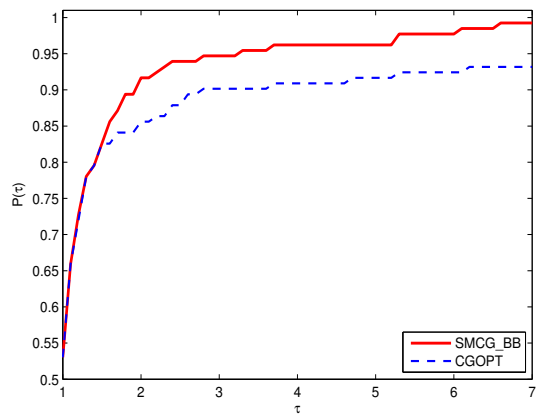


图 1.5 N_{it} (145pCUTE)

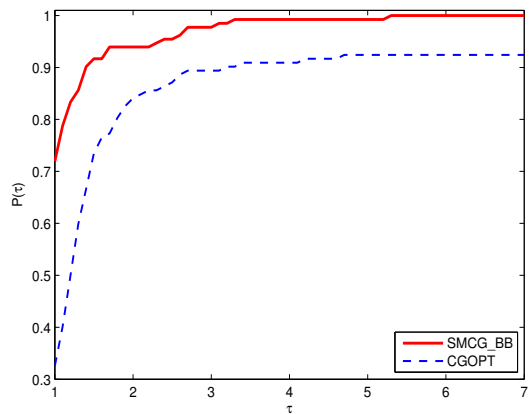


图 1.6 N_f (145pCUTE)

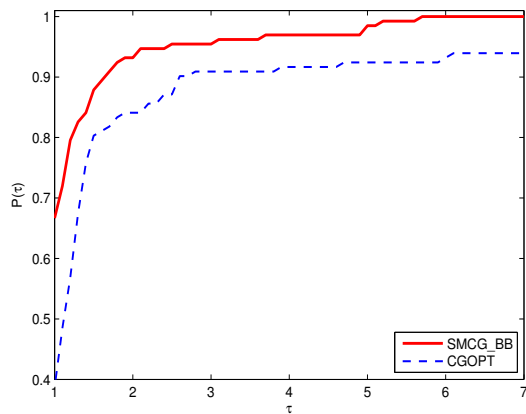


图 1.7 N_g (145pCUTE)

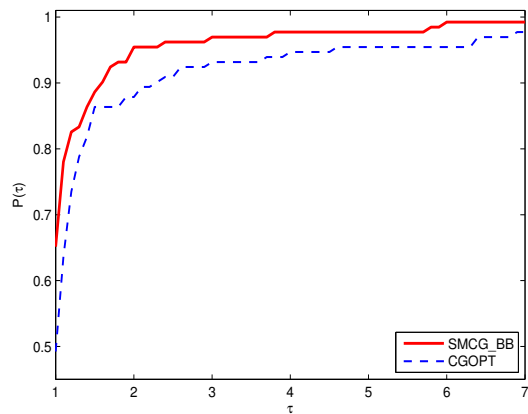


图 1.8 T_{cpu} (145pCUTE)

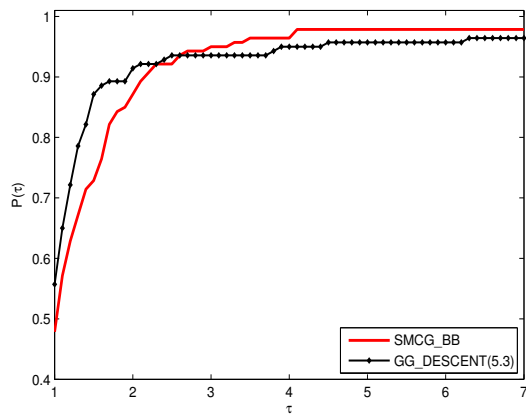


图 1.9 N_f (145pCUTE)

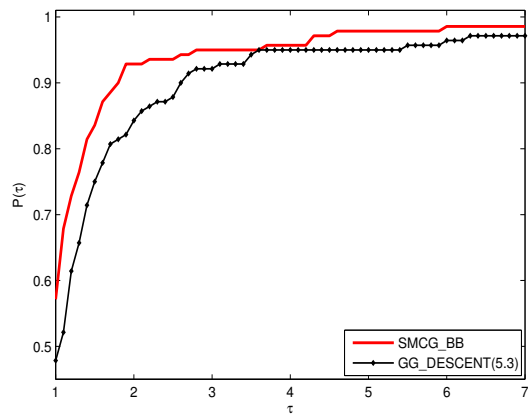


图 1.10 N_g (145pCUTE)

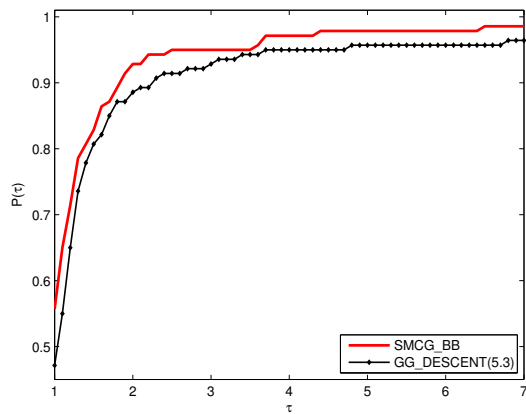


图 1.11 $N_f + 3N_g$ (145pCUTE)

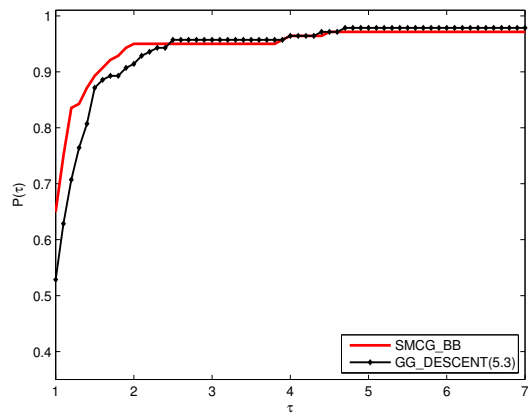


图 1.12 T_{cpu} (145pCUTE)