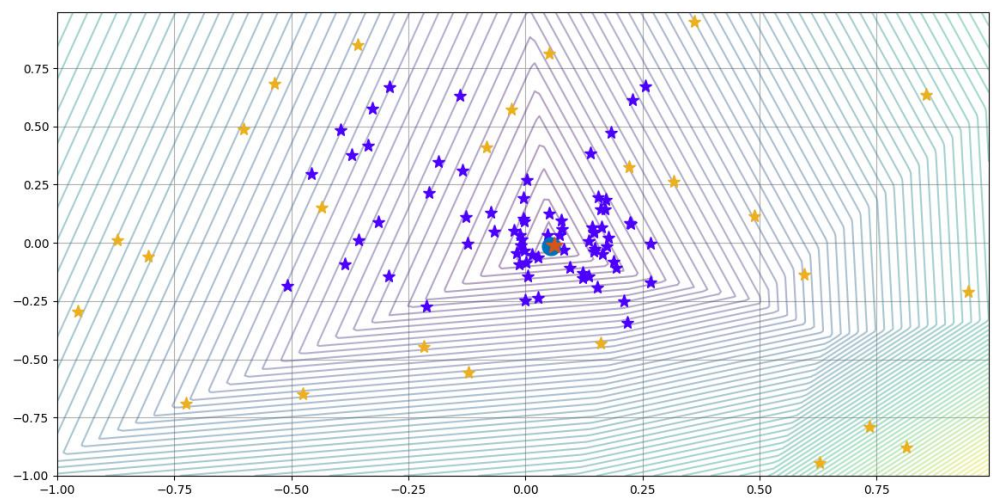
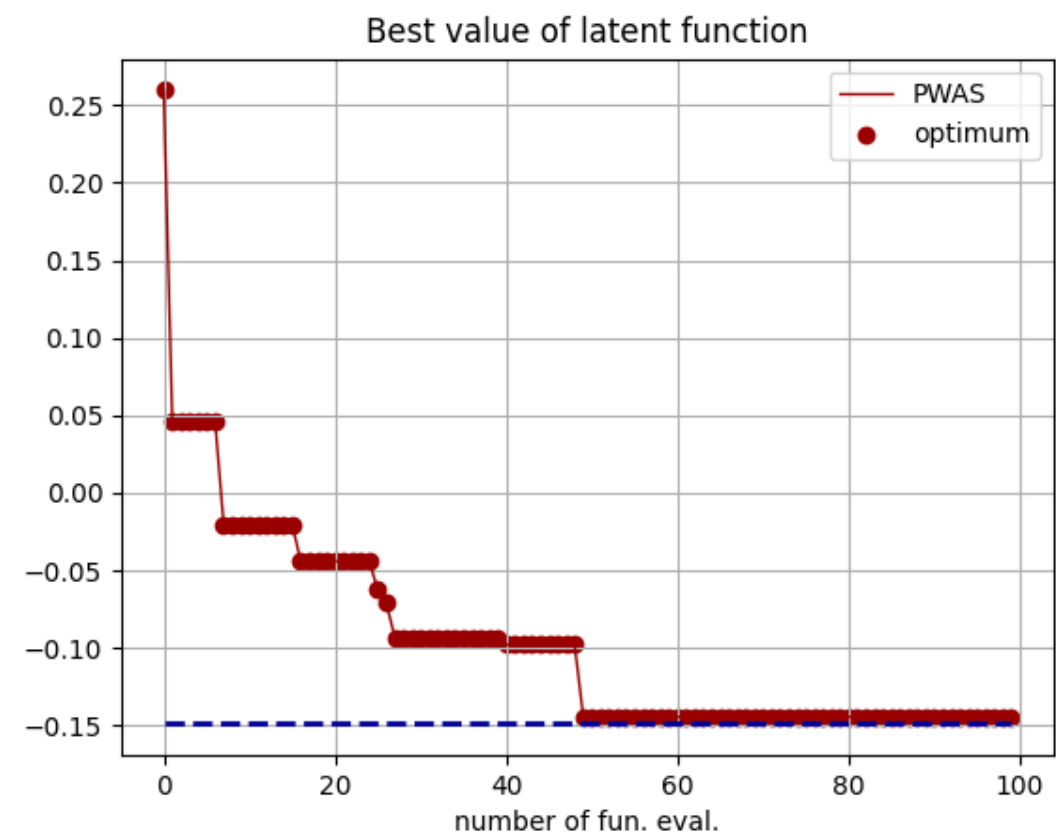


Note that details of the tested benchmarks and PWAS/PWASp parameters can be found in file “other_benchmakrs.py”

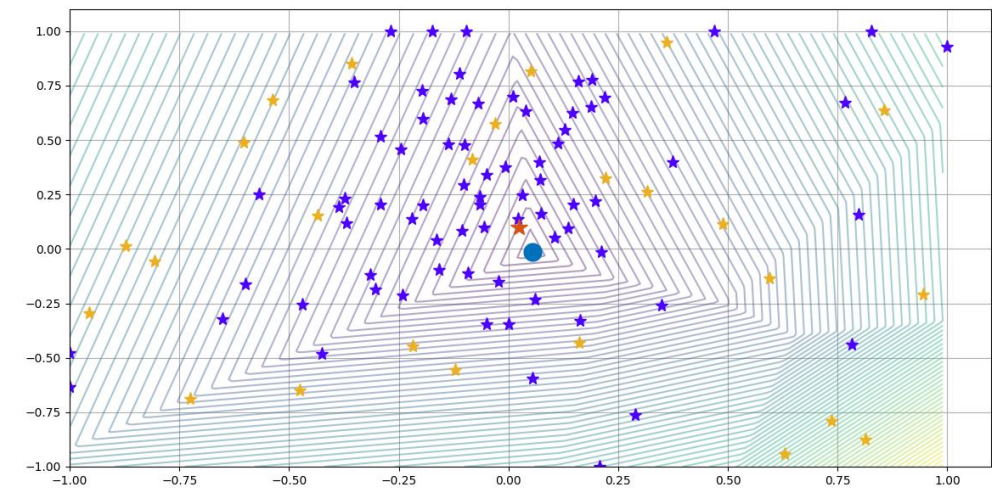
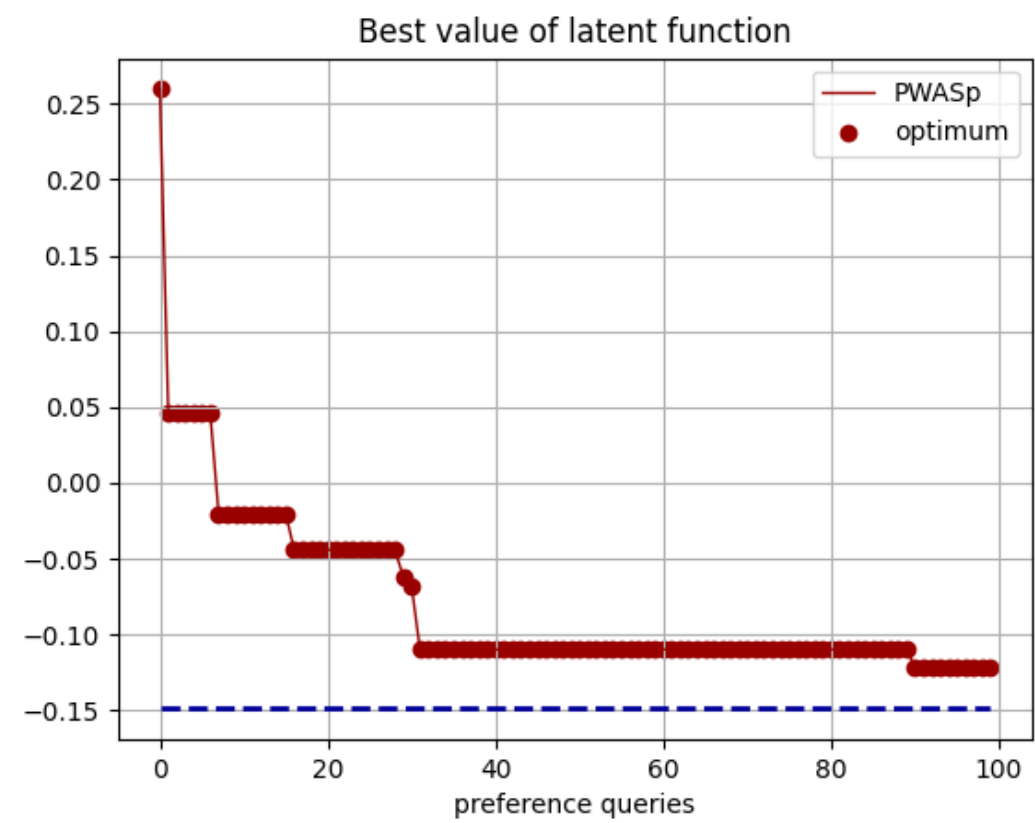
2-D benchmarks with box constraints (NLP)

`benchmark = "PWA_example" (two continuous variables)`

PWAS

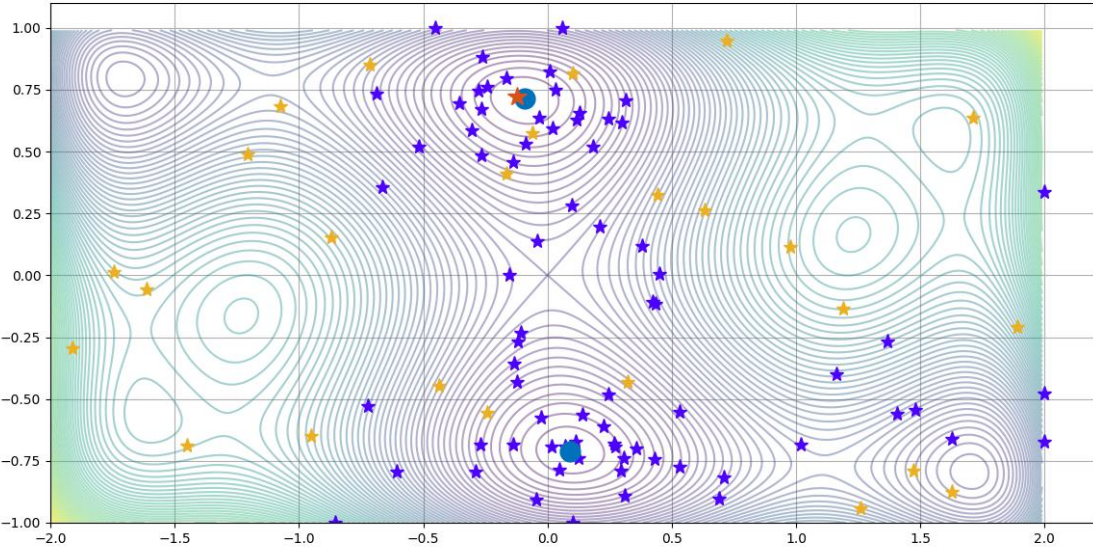
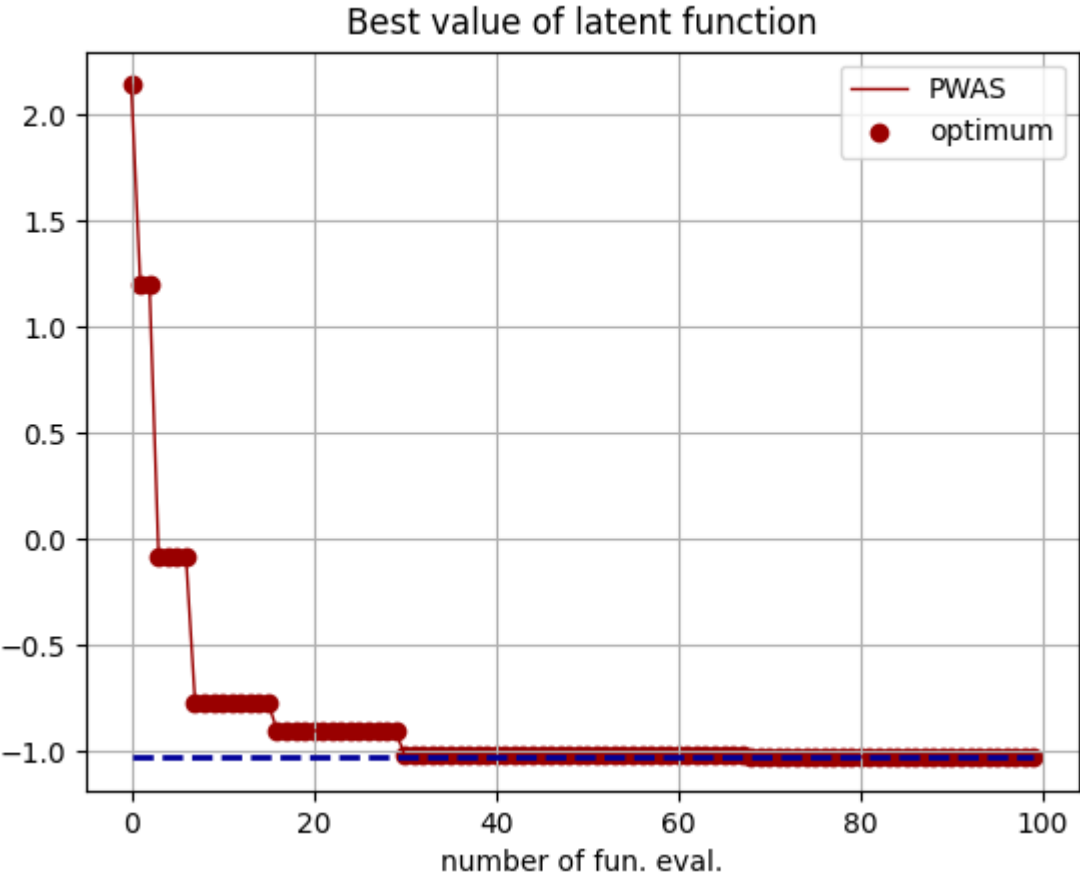


PWASp

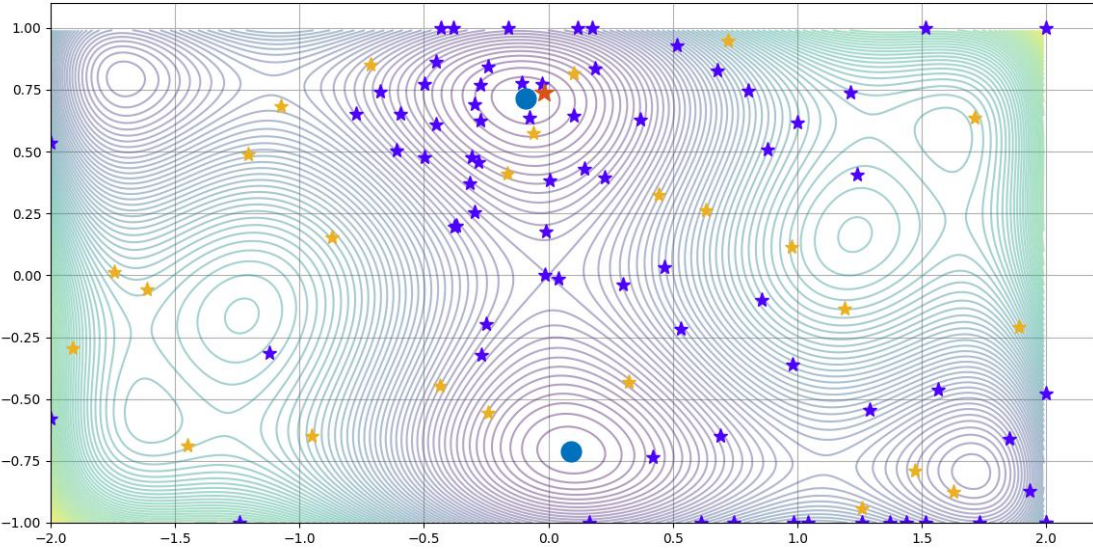
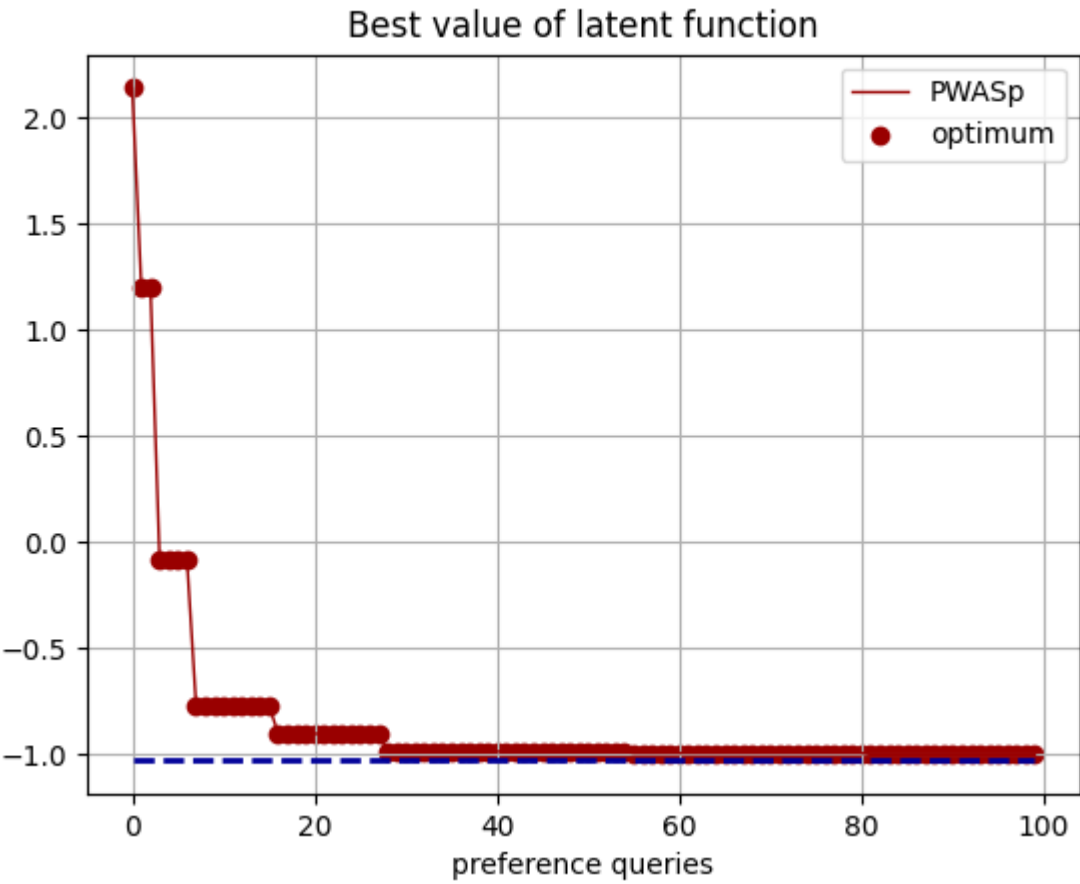


benchmark="camelsixhumps" (two continuous variables)

PWAS

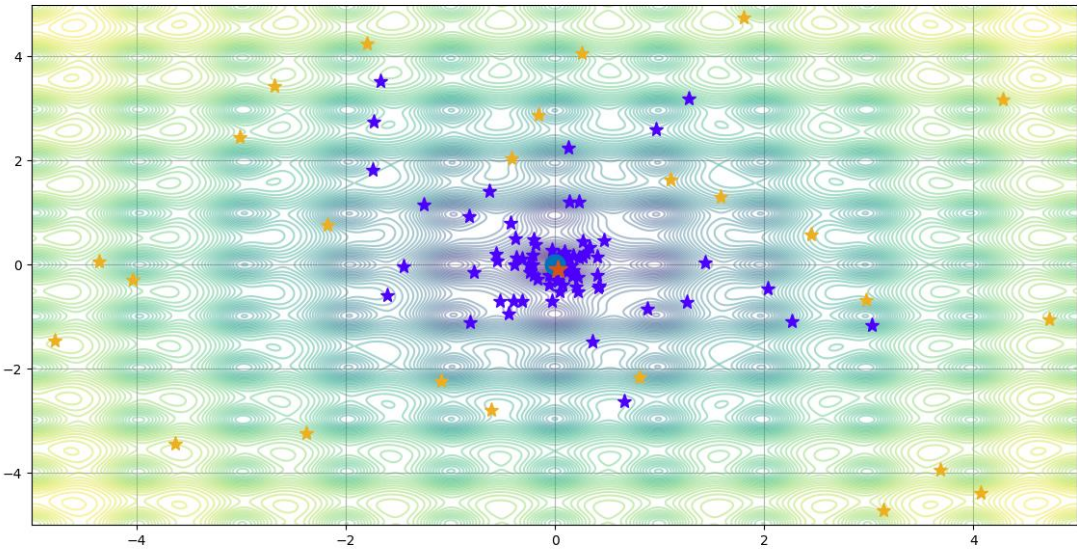
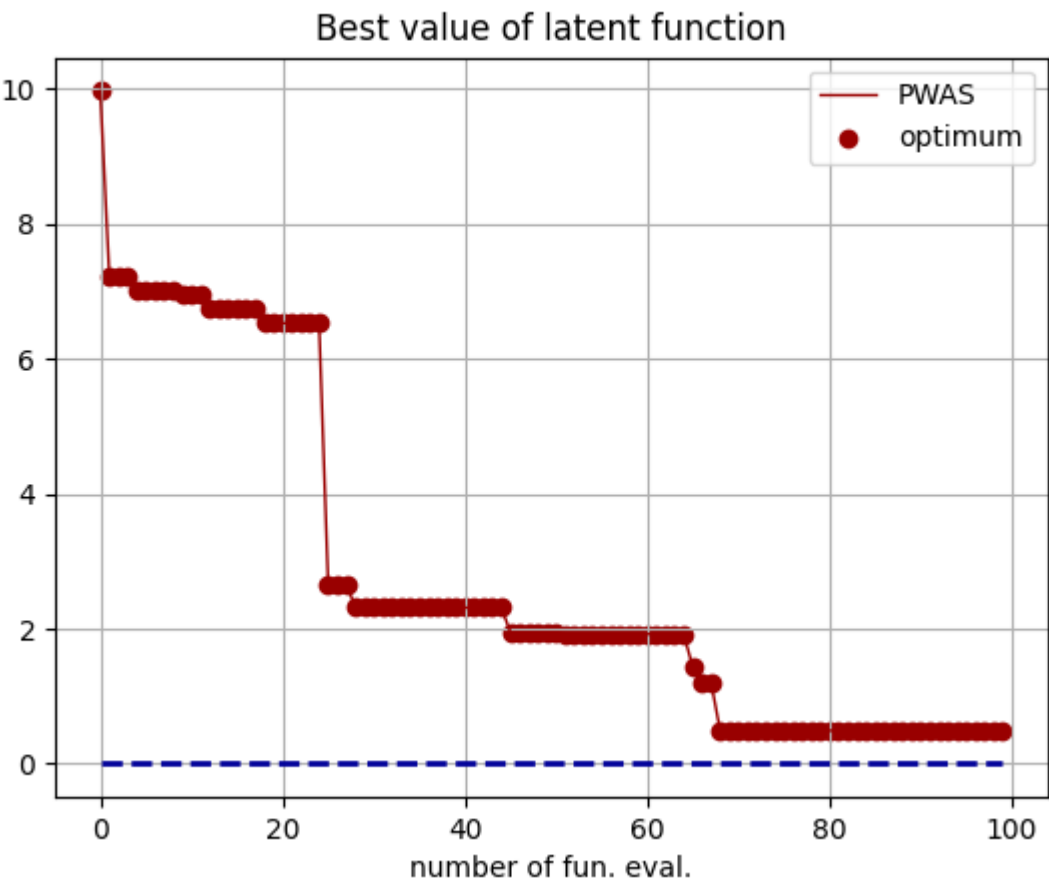


PWASp

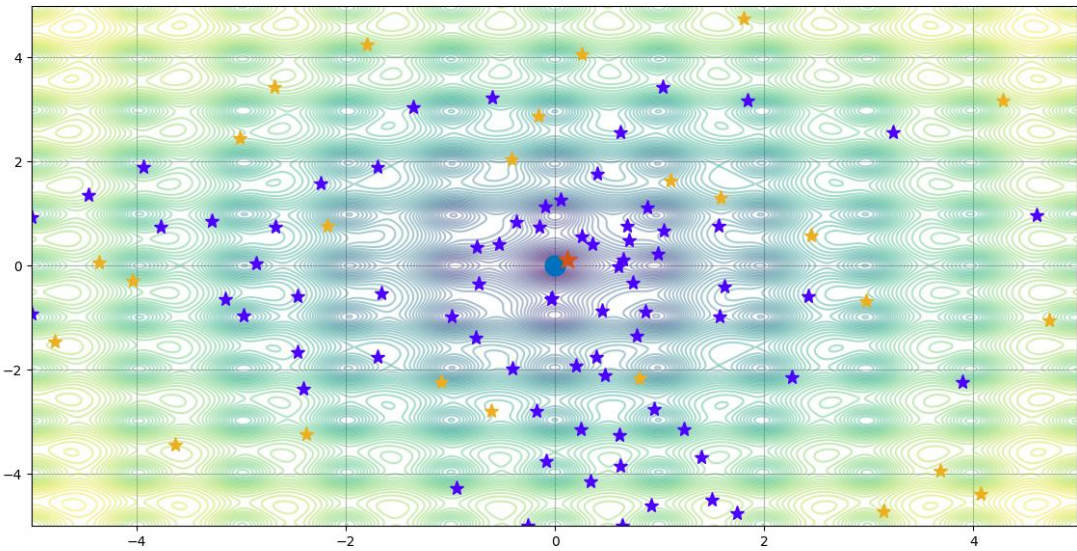
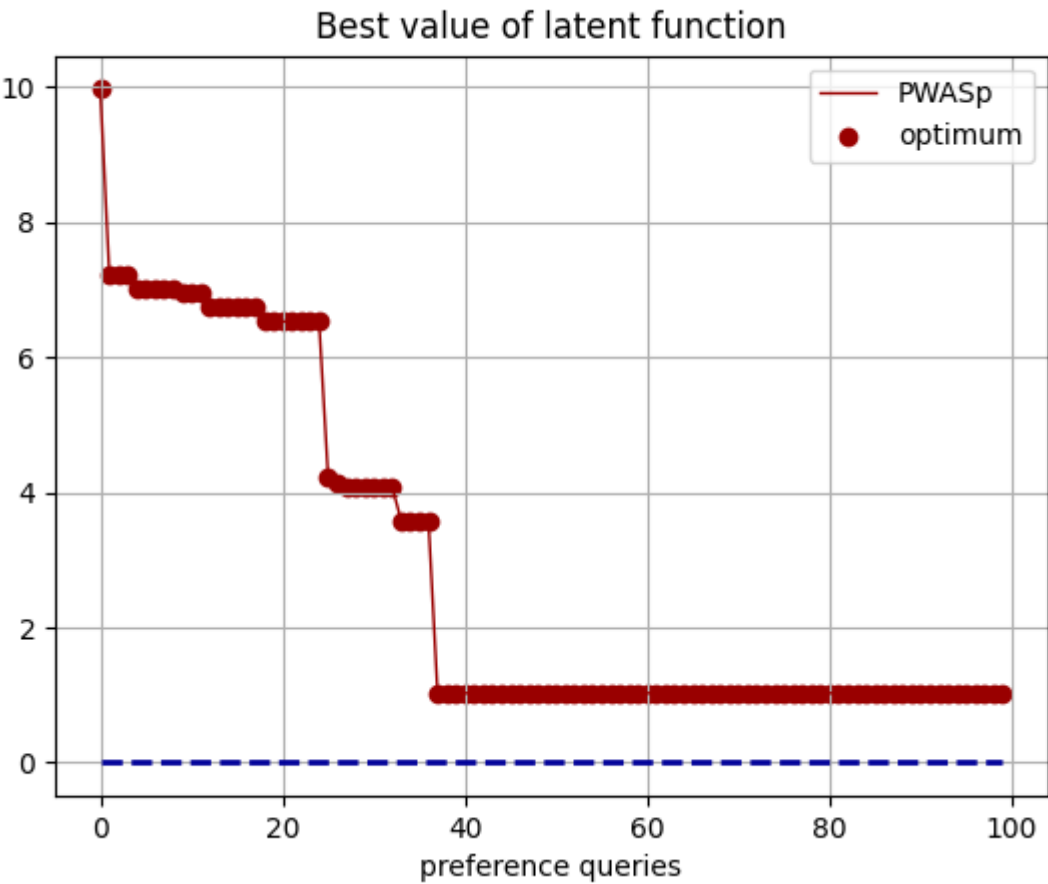


Benchmark = "ackley"(two continuous variables)

PWAS



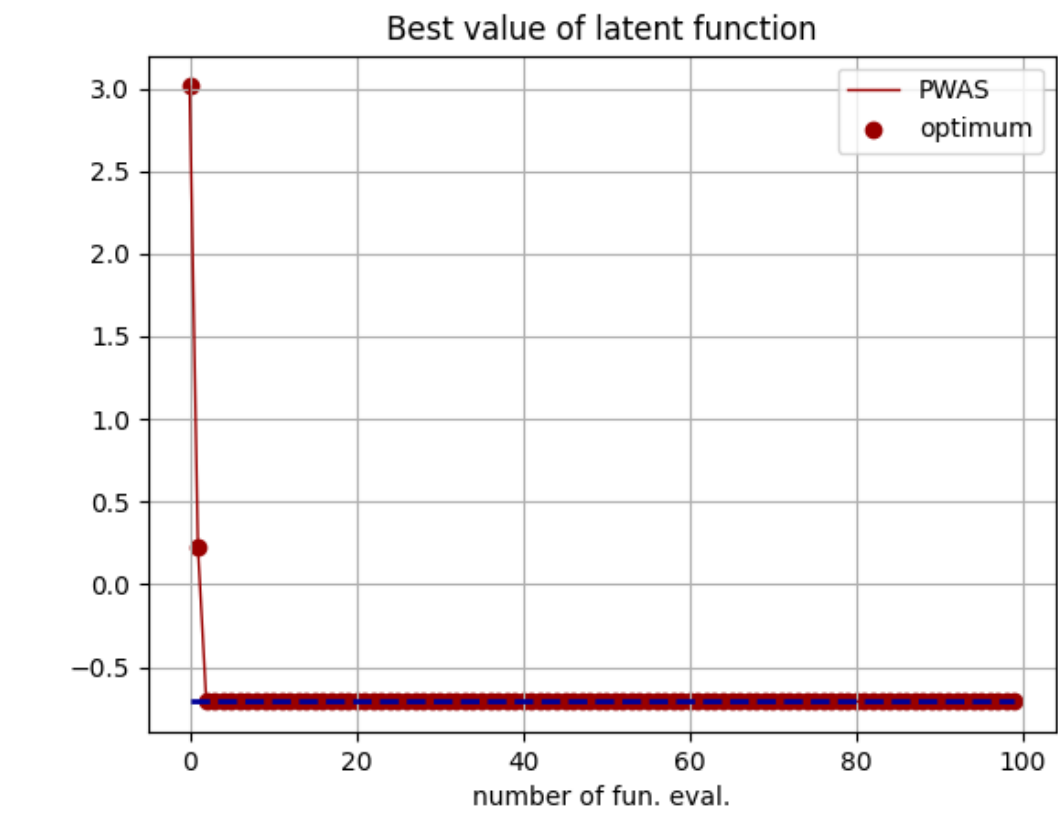
PWASp



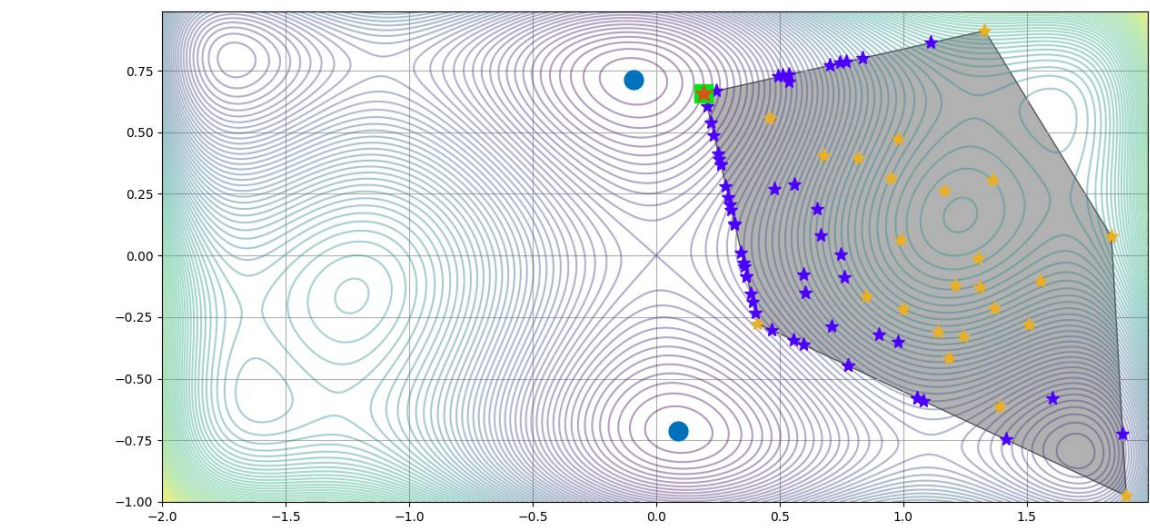
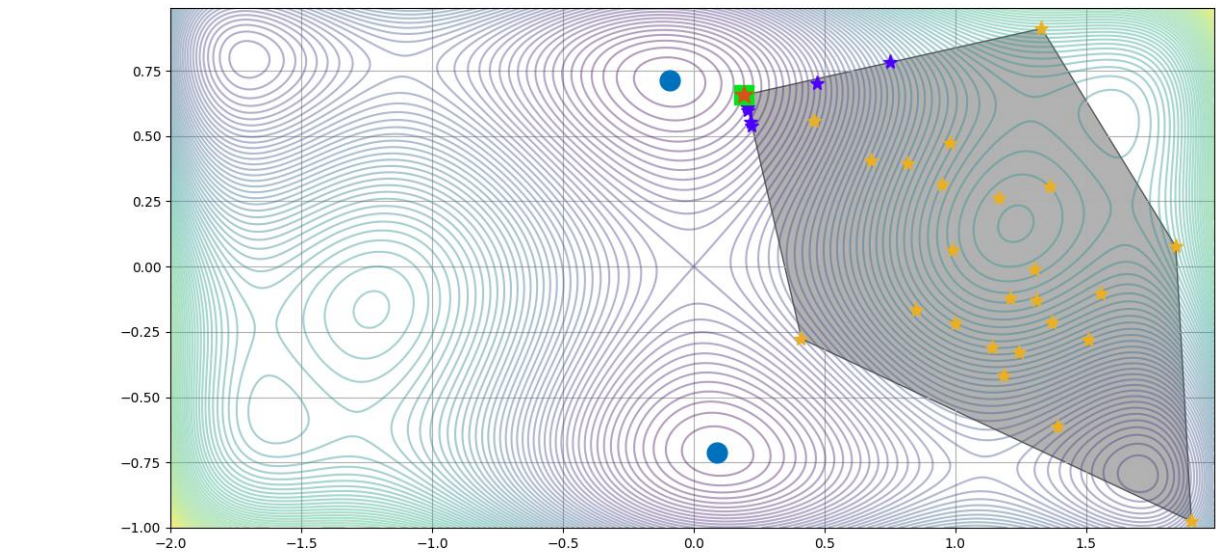
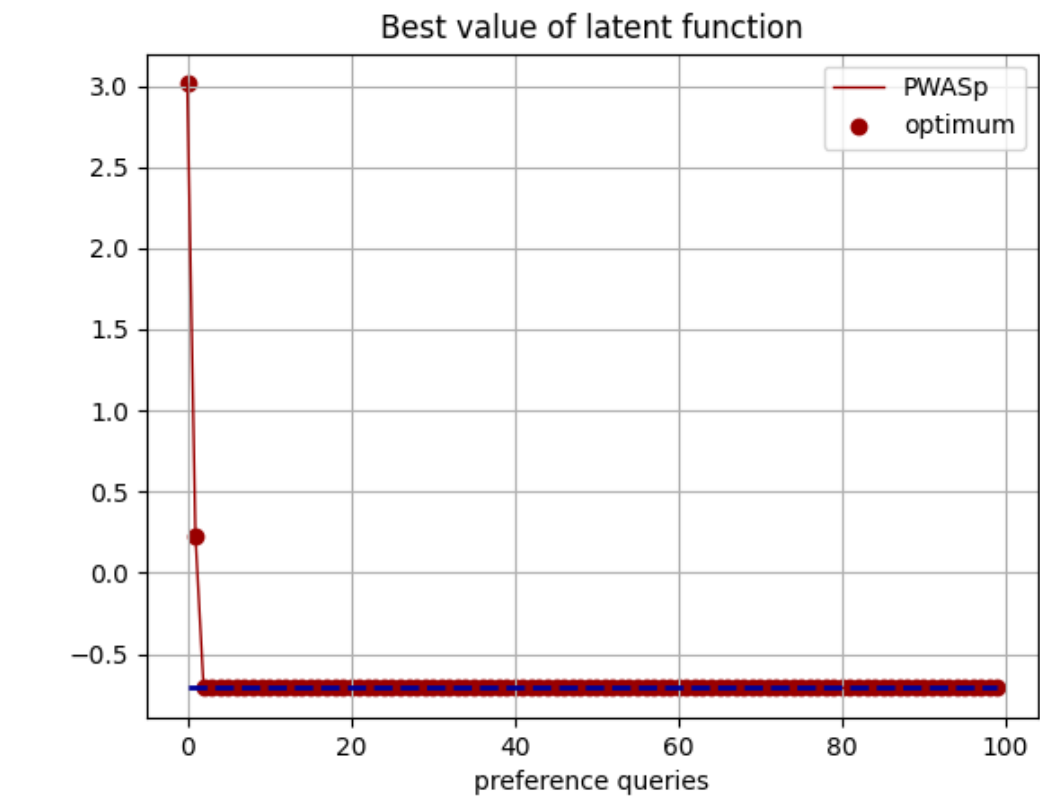
2-D benchmarks with box and linear constraints (NLP)

Benchmark = 'camelsixhumps-linearconstr' # camelsixhumps with 5 known linear constraints, optimal is at intersection

PWAS

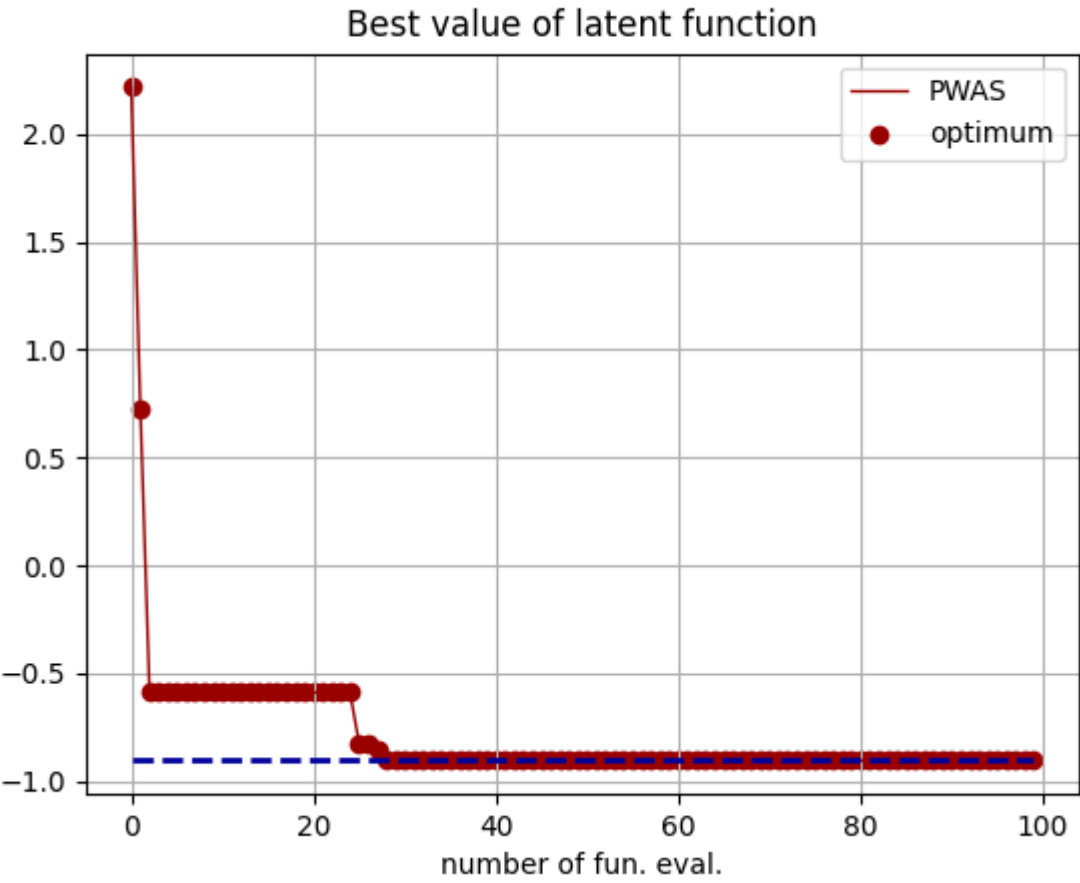


PWASp

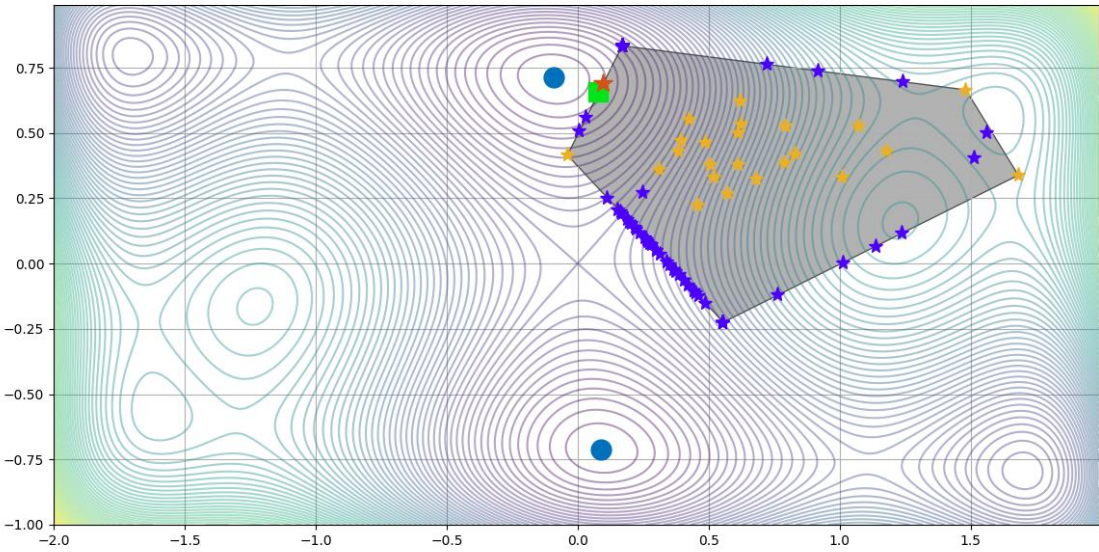
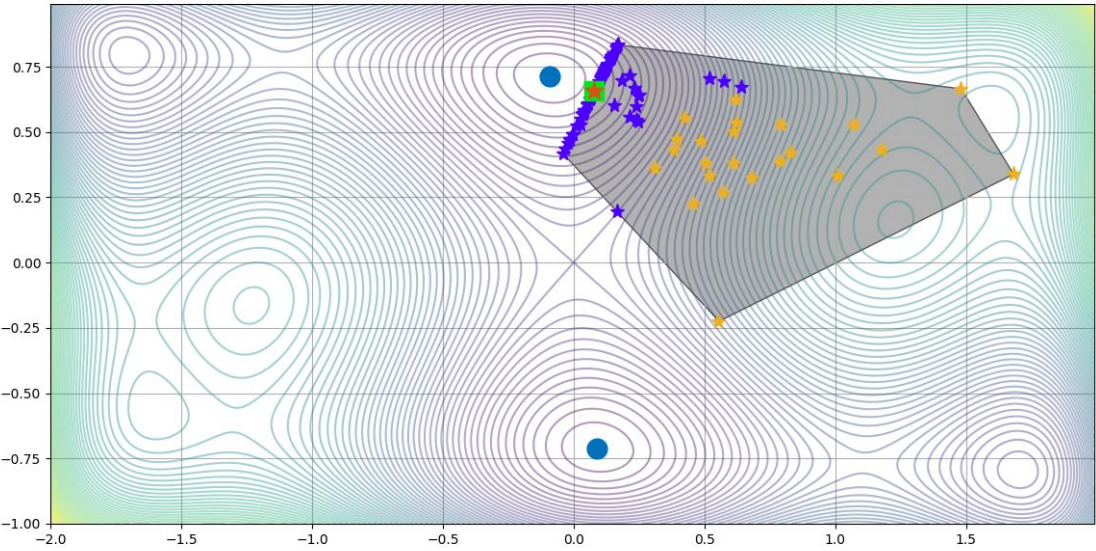
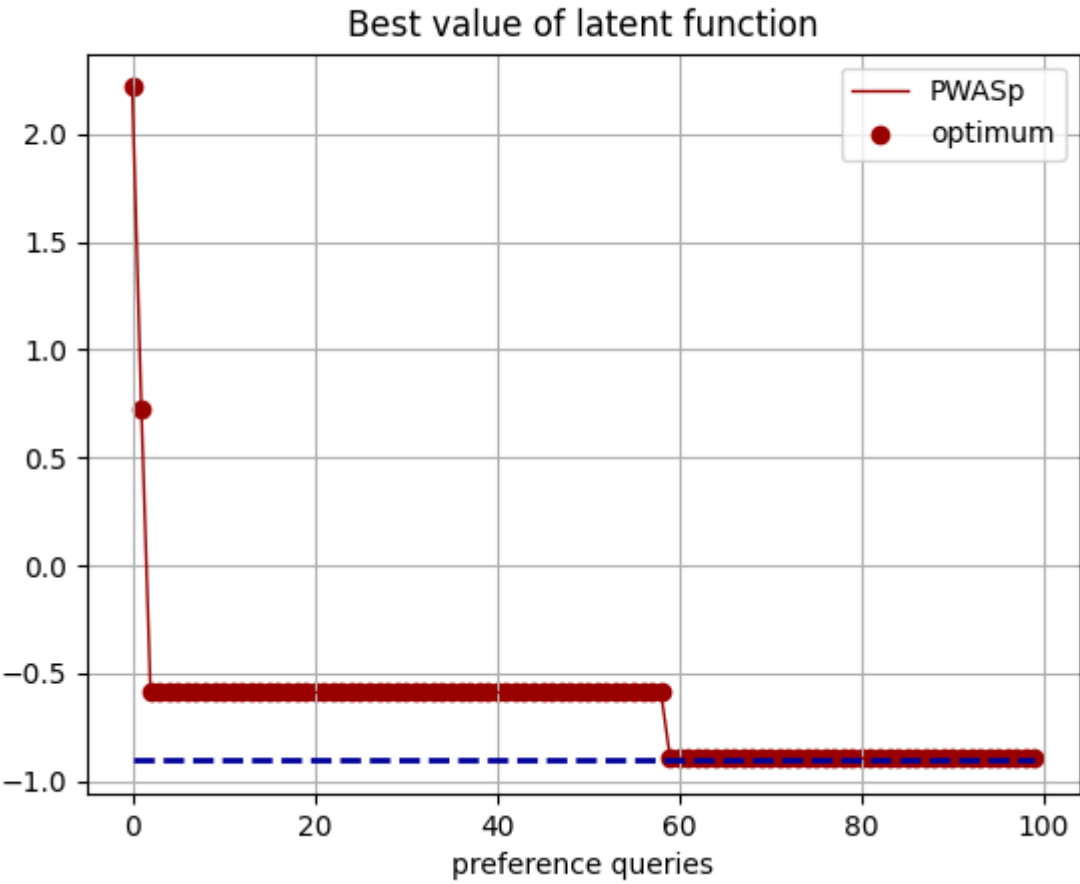


Benchmark = 'camelsixhumps-linearconstr_2' #camelsixhumps with 5 known linear constraints

PWAS



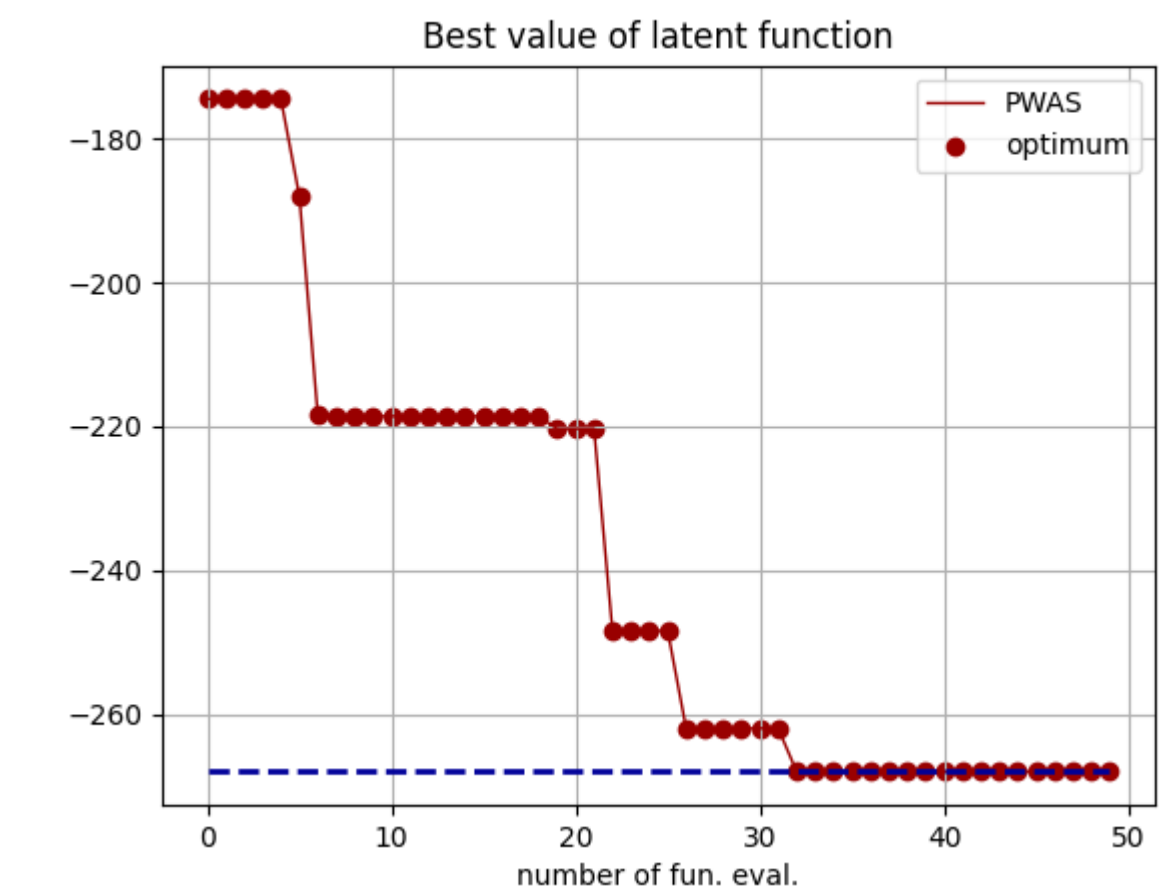
PWASp



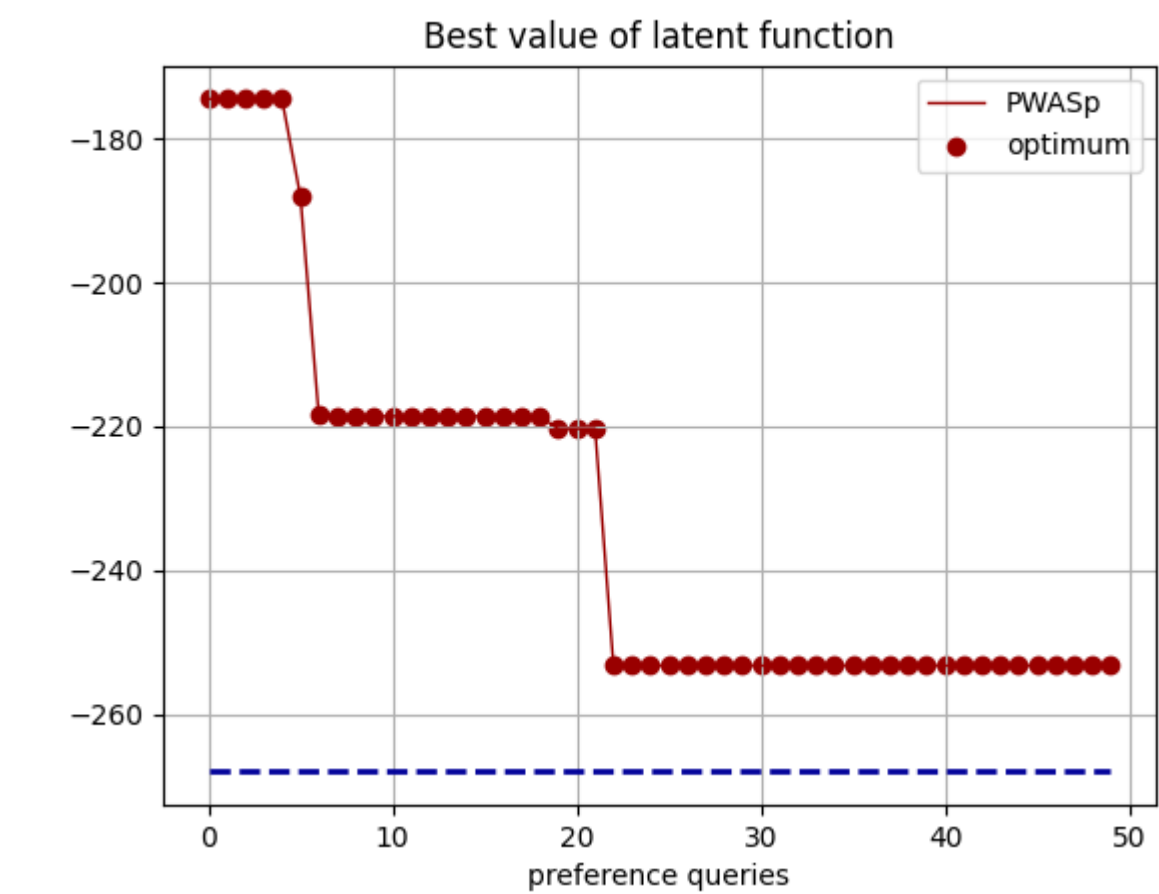
High dimension benchmarks with box and linear constraints (NLP)

Benchmark = "Bunnag6" # 10-D, 11 linear inequality constraints, excessive number of vertices (1036)

PWAS



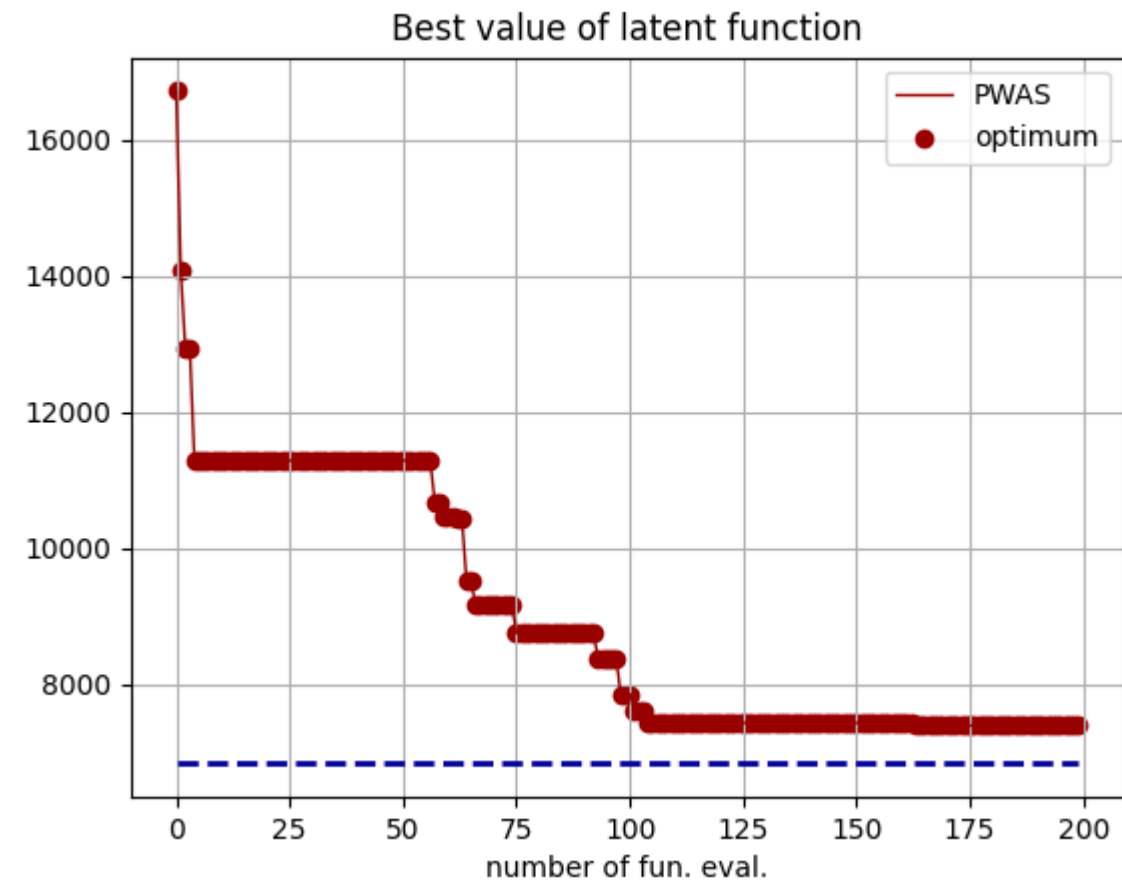
PWASp



MIP from MIP library

benchmark = "gen-ip054_2" # 30 integer variables, treat integer variable as categorical variable

PWAS



PWASp

