## HNCO

# Runtime as a function of size of (1+1) EA and RLS on OneMax and LeadingOnes

## August 6, 2017

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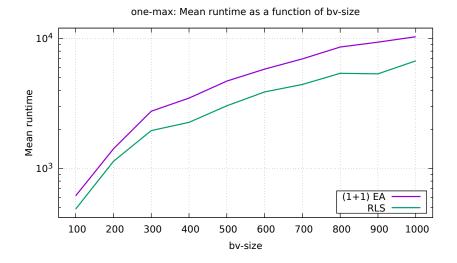
#### 1 Default parameters

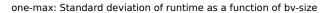
```
# algorithm = 100
# bm_mc_reset_strategy = 1
# bm_num_gs_cycles = 1
# bm_num_gs_steps = 100
# bm_sampling = 1
# budget = 10000
# bv_size = 100
\# ea_lambda = 100
\# ea_mu = 10
# fun_num_traps = 10
# fun_prefix_length = 2
# fun_threshold = 10
# function = 0
# ga_crossover_probability = 0.5
# ga_tournament_size = 10
# hea_binary_dynamics = 0
\# hea_delay = 10000
# hea_num_par_updates = 1
# hea_num_seq_updates = 100
# hea_rate_strategy = 0
# hea_reset_period = 0
# hea_sampling_method = 0
# hea_time_constant = 1000
# hea_weight = 1
# learning_rate = 0.001
# map = 0
# map_input_size = 100
# map_path = nopath
# neighborhood = 0
# neighborhood_iterator = 0
# noise_stddev = 1
# num_iterations = 0
# num_threads = 1
# path = nopath
# plugin_function_name = nofunction
# population_size = 10
# pv_log_num_components = 5
# radius = 2
# rls_patience = 50
# sa_initial_acceptance_probability = 0.6
# sa_num_transitions = 50
# sa_num_trials = 100
# sa_rate = 1.2
# scaled_mutation_probability = 1
\# seed = 0
# selection_size = 1
# target = 100
# print_default_parameters
# last_parameter
# exec_name = hnco
\# version = 0.6
# Generated from hnco.json
2
    Plan
{
    "exec": "hnco",
    "opt": "--print-performance --map 1 --map-random -i 0 -b 0 --stop-on-maximum",
    "num_runs": 10,
    "results": "results",
    "report": "report",
```

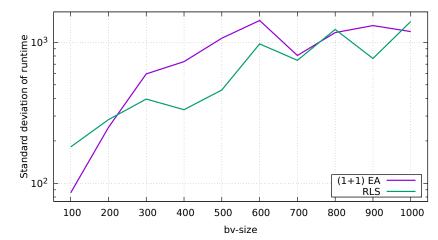
```
"graphics": "graphics",
"parameter": {
    "id": "bv-size",
    "values": [ 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 ],
    "boxwidth": "(40)"
},
"functions": [
    {
        "id": "one-max",
        "opt": "-F 0"
    },
    {
        "id": "leading-ones",
"opt": "-F 10"
],
"algorithms": [
    {
        "id": "ea-1p1",
        "title": "(1+1) EA",
        "opt": "-A 300"
    },
        "id": "rls",
        "title": "RLS",
        "opt": "-A 100 --rls-patience 0"
]
```

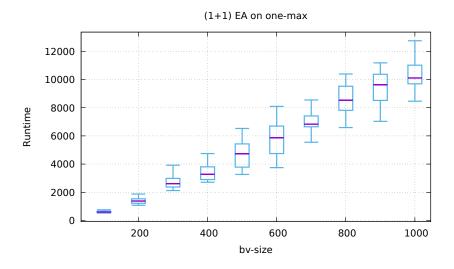
## 3 Function one-max

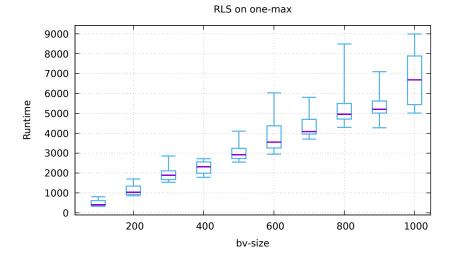
}











# 4 Function leading-ones

