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 main

[**butterfly-optimization-algorithms**](https://github.com/amineHorseman/butterfly-optimization-algorithms)**/params.yaml**

[Go to file](https://github.com/amineHorseman/butterfly-optimization-algorithms/find/main)

[@amineHorseman](https://github.com/amineHorseman)

[amineHorseman](https://github.com/amineHorseman) [add optimizers, main script and readme](https://github.com/amineHorseman/butterfly-optimization-algorithms/commit/93fbb5088784add9cb1eab13690d3d69a11ee684)

Latest commit [93fbb50](https://github.com/amineHorseman/butterfly-optimization-algorithms/commit/93fbb5088784add9cb1eab13690d3d69a11ee684) on Oct 11, 2021[**History**](https://github.com/amineHorseman/butterfly-optimization-algorithms/commits/main/params.yaml)

**1** contributor

18 lines (17 sloc)  1.04 KB

[Raw](https://github.com/amineHorseman/butterfly-optimization-algorithms/raw/main/params.yaml) [Blame](https://github.com/amineHorseman/butterfly-optimization-algorithms/blame/main/params.yaml)

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|  |  |
| --- | --- |
|  | --- |
|  | ### problem definition ### |
|  | solution\_size: 20 # size of individuals, i.e: number of genes (required parameter) |
|  | lower\_bound: 0 # minimum value for a gene (default: None) |
|  | upper\_bound: 99 # maximum value for a gene (default: None) |
|  | #seed: 25 # set a fixed see for generating stochastic variables (default: None) |
|  |  |
|  | ### optimizer params ### |
|  | pop\_size: 5 # number of solutions in the population (default: 10) |
|  | max\_iterations: 10 # max number of generations (default: 1) |
|  | early\_stopping\_counter: 10 # number of iterations with no fitness improvemnt to stop (default: 10) |
|  | method: 'xBOA' # optimizer name (required, choose from 'BOA', 'ABOA', 'mBOA', 'SABOA', 'xBOA', 'xABOA') |
|  | method\_params: # parameters for the optimizer (required) |
|  | sensory\_modality: 0.01 |
|  | power\_exponent: 0.1 |
|  | switch\_probability: 0.8 |
|  | #mu: 2 |
|  | verbosity\_level: 1 # set log frequecy for pygmo optimizers, i.e: printing progress (default: None) |