@article{hansen2016coco,

title={COCO: performance assessment},

author={Hansen, Nikolaus and Auger, Anne and Brockhoff, Dimo and Tu{\v{s}}ar, Dejan and Tu{\v{s}}ar, Tea},

journal={arXiv preprint arXiv:1605.03560},

year={2016}

}

@article{inspyred,

title={Inspyred: Bio-inspired algorithms in Python},

author={Tonda, Alberto},

journal={Genetic Programming and Evolvable Machines},

volume={21},

number={1},

pages={269--272},

year={2020},

publisher={Springer}

}

@misc{pyeasyga,

author = "{Ayodeji Remi-Omosowon and Yasser Gonzalez}",

title = {Pyeasyga: A simple and easy-to-use implementation of a Genetic Algorithm library in Python},

howpublished = {\url{https://github.com/remiomosowon/pyeasyga}}

}

@inproceedings{LEAP,

title={Library for evolutionary algorithms in Python (LEAP)},

author={Coletti, Mark A and Scott, Eric O and Bassett, Jeffrey K},

booktitle={Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion},

pages={1571--1579},

year={2020}

}

@article{pygad,

title={PyGAD: An Intuitive Genetic Algorithm Python Library},

author={Fawzy Gad, Ahmed},

journal={arXiv e-prints},

pages={arXiv--2106},

year={2021}

}

@article{pyevolve,

title={Pyevolve: a Python open-source framework for genetic algorithms},

author={Perone, Christian S},

journal={Acm Sigevolution},

volume={4},

number={1},

pages={12--20},

year={2009},

publisher={ACM New York, NY, USA}

}

@article{DEAP,

author = " F\'elix-Antoine Fortin and Fran\c{c}ois-Michel {De Rainville} and Marc-Andr\'e Gardner and Marc Parizeau and Christian Gagn\'e ",

title = { {DEAP}: Evolutionary Algorithms Made Easy },

pages = { 2171--2175 },

volume = { 13 },

month = { jul },

year = { 2012 },

journal = { Journal of Machine Learning Research }

}

@misc{doerr2020theory,

title={Theory of Iterative Optimization Heuristics: From Black-Box Complexity over Algorithm Design to Parameter Control.},

author={Doerr, Carola},

year={2020},

publisher={Sorbonne Universit{\'e}, France}

}

@inproceedings{fister2016new,

title={A new population-based nature-inspired algorithm every month: is the current era coming to the end},

author={Fister Jr, Iztok and Mlakar, Uro{\v{s}} and Brest, Janez and Fister, Iztok},

booktitle={Proceedings of the 3rd Student Computer Science Research Conference},

pages={33--37},

year={2016},

organization={University of Primorska Press}

}

@article{piotrowski2014novel,

title={How novel is the “novel” black hole optimization approach?},

author={Piotrowski, Adam P and Napiorkowski, Jaroslaw J and Rowinski, Pawel M},

journal={Information Sciences},

volume={267},

pages={191--200},

year={2014},

publisher={Elsevier}

}

@article{fong2016recent,

title={Recent advances in metaheuristic algorithms: Does the Makara dragon exist?},

author={Fong, Simon and Wang, Xi and Xu, Qiwen and Wong, Raymond and Fiaidhi, Jinan and Mohammed, Sabah},

journal={The Journal of Supercomputing},

volume={72},

number={10},

pages={3764--3786},

year={2016},

publisher={Springer}

}

@article{taillard2001adaptive,

title={Adaptive memory programming: A unified view of metaheuristics},

author={Taillard, {\'E}ric D and Gambardella, Luca M and Gendreau, Michel and Potvin, Jean-Yves},

journal={European Journal of Operational Research},

volume={135},

number={1},

pages={1--16},

year={2001},

publisher={Elsevier}

}

@article{yang2020nature,

title={Nature-inspired optimization algorithms: Challenges and open problems},

author={Yang, Xin-She},

journal={Journal of Computational Science},

volume={46},

pages={101104},

year={2020},

publisher={Elsevier}

}

@book{highper,

title={High-Performance Simulation-Based Optimization},

author={Bartz-Beielstein, Thomas and Filipi{\v{c}}, Bogdan and Koro{\v{s}}ec, Peter and Talbi, El-Ghazali},

year={2020},

publisher={Springer}

}

@article{c5,

title={An enhanced Moth-flame optimization algorithm for permutation-based problems},

author={Helmi, Ahmed and Alenany, Ahmed},

journal={Evolutionary Intelligence},

volume={13},

number={4},

pages={741--764},

year={2020},

publisher={Springer}

}

@article{c4,

title={Improving monarch butterfly optimization through simulated annealing strategy},

author={Yang, Dongfang and Wang, Xitong and Tian, Xin and Zhang, Yonggang},

journal={Journal of Ambient Intelligence and Humanized Computing},

pages={1--12},

year={2020},

publisher={Springer}

}

@article{c3,

title={A binary crow search algorithm for solving two-dimensional bin packing problem with fixed orientation},

author={Laabadi, Soukaina and Naimi, Mohamed and El Amri, Hassan and Achchab, Boujem{\^a}a},

journal={Procedia Computer Science},

volume={167},

pages={809--818},

year={2020},

publisher={Elsevier}

}

@article{c2,

title={A new binary grasshopper optimization algorithm for feature selection problem},

author={Hichem, Haouassi and Elkamel, Merah and Rafik, Mehdaoui and Mesaaoud, Maarouk Toufik and Ouahiba, Chouhal},

journal={Journal of King Saud University-Computer and Information Sciences},

year={2019},

publisher={Elsevier}

}

@incollection{c1,

title={A survey of swarm algorithms applied to discrete optimization problems},

author={Krause, Jonas and Cordeiro, Jelson and Parpinelli, Rafael Stubs and Lopes, Heitor Silverio},

booktitle={Swarm Intelligence and Bio-Inspired Computation},

pages={169--191},

year={2013},

publisher={Elsevier}

}

@article{rajakumar2013apoga,

title={APOGA: An adaptive population pool size based genetic algorithm},

author={Rajakumar, BR and George, Aloysius},

journal={AASRI Procedia},

volume={4},

pages={288--296},

year={2013},

publisher={Elsevier}

}

@article{mfo1,

title={Moth-flame optimization algorithm: A novel nature-inspired heuristic paradigm},

author={Mirjalili, Seyedali},

journal={Knowledge-based systems},

volume={89},

pages={228--249},

year={2015},

publisher={Elsevier}

}

@techreport{bbob1,

title={Real-parameter black-box optimization benchmarking 2009: Presentation of the noiseless functions},

author={Finck, Steffen and Hansen, Nikolaus and Ros, Raymond and Auger, Anne},

year={2010},

institution={Citeseer}

}

@article{classify1,

author = {Julius Beneoluchi Odili and A Noraziah and Radzi Ambar and Mohd Helmy and Abd Wahab},

issn = {2602-3199},

journal = {Technology, Engineering & Mathematics (EPSTEM)},

keywords = {Deterministic algorithms,Metaheuristics,Nature-inspired algorithms,Population-based,Trajectory-based},

pages = {376-394},

title = {A Critical Review of Major Nature-Inspired Optimization Algorithms},

volume = {2},

url = {www.isres.org},

year = {2018},

}

@article{ann1,

title={Optimization by simulated annealing},

author={Kirkpatrick, Scott and Gelatt, C Daniel and Vecchi, Mario P},

journal={science},

volume={220},

number={4598},

pages={671--680},

year={1983},

publisher={American association for the advancement of science}

}

@misc{opt1,

title = {History of Optimization:Lines of development, breakthroughs, applications and curiosities, and links},

howpublished = {\url{http://www.mitrikitti.fi/opthist.html#linx}},

note = {Accessed: 20210-12-12}

}

@article{pso2,

title={Particle swarm optimization (PSO). A tutorial},

author={Marini, Federico and Walczak, Beata},

journal={Chemometrics and Intelligent Laboratory Systems},

volume={149},

pages={153--165},

year={2015},

publisher={Elsevier}

}

@inproceedings{pso1,

title={Particle swarm optimization},

author={Kennedy, James and Eberhart, Russell},

booktitle={Proceedings of ICNN'95-international conference on neural networks},

volume={4},

pages={1942--1948},

year={1995},

organization={IEEE}

}

@article{MBO2019,

author = {Gai Ge Wang and Suash Deb and Zhihua Cui},

doi = {10.1007/s00521-015-1923-y},

issn = {09410643},

issue = {7},

journal = {Neural Computing and Applications},

keywords = {Benchmark problems,Butterfly adjusting operator,Evolutionary computation,Migration,Monarch butterfly optimization},

month = {7},

pages = {1995-2014},

publisher = {Springer London},

title = {Monarch butterfly optimization},

volume = {31},

year = {2019},

}

@article{iohanalyzer,

author = {Hao Wang and Diederick Vermetten and Furong Ye and Carola Doerr and Thomas Bäck},

month = {7},

title = {IOHanalyzer: Performance Analysis for Iterative Optimization Heuristic},

url = {http://arxiv.org/abs/2007.03953},

year = {2020},

}

@article{iohprofiler,

author = {Carola Doerr and Hao Wang and Furong Ye and Sander van Rijn and Thomas Bäck},

month = {10},

title = {IOHprofiler: A Benchmarking and Profiling Tool for Iterative Optimization Heuristics},

url = {http://arxiv.org/abs/1810.05281},

year = {2018},

}

@article{withioh,

author = {Carola Doerr and Furong Ye and Naama Horesh and Hao Wang and Ofer M. Shir and Thomas Bäck},

doi = {10.1016/j.asoc.2019.106027},

month = {12},

title = {Benchmarking Discrete Optimization Heuristics with IOHprofiler},

url = {http://arxiv.org/abs/1912.09237 http://dx.doi.org/10.1016/j.asoc.2019.106027},

year = {2019},

}

@article{Arora2019,

author = {Sankalap Arora and Satvir Singh},

doi = {10.1007/s00500-018-3102-4},

issn = {14337479},

issue = {3},

journal = {Soft Computing},

keywords = {Benchmark test functions,Butterfly optimization algorithm,Engineering design problems,Global optimization,Metaheuristic,Nature inspired},

month = {2},

pages = {715-734},

publisher = {Springer Verlag},

title = {Butterfly optimization algorithm: a novel approach for global optimization},

volume = {23},

year = {2019},

}

@book{MATLAB:2021,

year = {2021},

author = {MATLAB},

title = {version 9.11 (R2021b)},

publisher = {The MathWorks Inc.},

address = {Natick, Massachusetts}

}

@article{Askarzadeh2016,

doi = {10.1016/j.compstruc.2016.03.001},

issn = {00457949},

journal = {Computers and Structures},

keywords = {Constrained engineering optimization,Crow search algorithm,Metaheuristic optimization},

month = {6},

pages = {1-12},

publisher = {Elsevier Ltd},

title = {A novel metaheuristic method for solving constrained engineering optimization problems: Crow search algorithm},

volume = {169},

year = {2016},

}

@article{Yang2010,

author = {Xin-She Yang},

month = {4},

title = {A New Metaheuristic Bat-Inspired Algorithm},

url = {http://arxiv.org/abs/1004.4170},

year = {2010},

}

@article{Saremi2017,

author = {Shahrzad Saremi and Seyedali Mirjalili and Andrew Lewis},

doi = {10.1016/j.advengsoft.2017.01.004},

issn = {18735339},

journal = {Advances in Engineering Software},

month = {3},

pages = {30-47},

publisher = {Elsevier Ltd},

title = {Grasshopper Optimisation Algorithm: Theory and application},

volume = {105},

year = {2017},

}

@article{Kononova2015,

author = {Anna V. Kononova and David W. Corne and Philippe De Wilde and Vsevolod Shneer and Fabio Caraffini},

doi = {10.1016/j.ins.2014.11.035},

issn = {00200255},

journal = {Information Sciences},

keywords = {Algorithmic design,Evolutionary computation,Optimisation,Population-based algorithm,Structural bias},

month = {3},

pages = {468-490},

publisher = {Elsevier Inc.},

title = {Structural bias in population-based algorithms},

volume = {298},

year = {2015},

}

@report{cs1,

author = {C L Camacho Villaí and T Stützle and St¨ Stützle and M Dorigo},

title = {Cuckoo Search $ \equiv $ ($\mu$ + $\lambda$)-Evolution Strategy A Rigorous Analysis of an Algorithm That Has Been Misleading the Research Community for More Than 10 Years and Nobody Seems to Have Noticed},

year = {2021},

}

@article{Liu2011,

author = {Bo Liu and Ling Wang and Ying Liu and Shouyang Wang},

doi = {10.1007/s10479-011-0894-3},

issn = {02545330},

issue = {1},

journal = {Annals of Operations Research},

keywords = {Convergence analysis,Evolutionary computing,Memetic Algorithms,Metaheuristics,Population-based metaheuristics,Unified framework},

month = {6},

pages = {231-262},

title = {A unified framework for population-based metaheuristics},

volume = {186},

year = {2011},

}

@article{Metaheuristics-the,

author = {Kenneth Sörensen},

doi = {10.1111/itor.12001},

issn = {14753995},

issue = {1},

journal = {International Transactions in Operational Research},

keywords = {Combinatorial optimization,Heuristics,Metaheuristics,Optimization},

month = {1},

pages = {3-18},

publisher = {Blackwell Publishing Ltd},

title = {Metaheuristics-the metaphor exposed},

volume = {22},

year = {2015},

}

@incollection{yang2010new,

title={A new metaheuristic bat-inspired algorithm},

author={Yang, Xin-She},

booktitle={Nature inspired cooperative strategies for optimization (NICSO 2010)},

pages={65--74},

year={2010},

publisher={Springer}

}

@article{askarzadeh2016novel,

title={A novel metaheuristic method for solving constrained engineering optimization problems: crow search algorithm},

author={Askarzadeh, Alireza},

journal={Computers \& Structures},

volume={169},

pages={1--12},

year={2016},

publisher={Elsevier}

}