

Mini-Project (2022-2023) (Optimisation des réseaux)

N	Title	Documents & Codes	Student
1	Moth-flame optimization (MFO) algorithm	https://seyedalimirjalili.com/mfo https://www.baeldung.com/cs/moth-flame-optimization https://www.mathworks.com/matlabcentral/fileexchange/52269-moth-flame-optimization-mfo-algorithm https://github.com/lbraDje/MFO-Python https://github.com/7ossam81/EvolPy/tree/master/optimizers	Alili Samir, Arioua Meryem, Chenni Rawya
2	Artificial Bee Colony (ABC) algorithm	http://centro-alumni.inf.ucv.cl/~rsoto/cursos/MII748/ABC/ABC_paper_base.pdf https://link.springer.com/article/10.1007/s10898-007-9149-x https://abc.erciyes.edu.tr/ https://www.researchgate.net/publication/221498082_Artificial_Bee_Colony_ABC_Optimization_Algorithm_for_Solving_Constrained_Optimization_Problems https://towardsdatascience.com/implementing-artificial-bee-colony-algorithm-to-solve-business-problems-cb754f3b9255 https://link.springer.com/article/10.1007/s10462-012-9328-0 https://www.cs.uoi.gr/~lagaris/GRAD_GLOPT/projects/bee_colony.pdf https://www.mathworks.com/matlabcentral/fileexchange/52966-artificial-bee-colony-abc-in-matlab https://yarpiz.com/297/ypea114-artificial-bee-colony https://github.com/killerzman/Cpp-ArtificialBeeColony https://github.com/HaaLeo/swarmlib/tree/master/swarmlib/abc	Baaziz Nihad, Boukhelef Safaa, Nechadi Chahinez
3	Particle Swarm Optimization (PSO) algorithm	https://kpfu.ru/staff_files/F_1407356997/overview.pdf https://towardsdatascience.com/complete-step-by-step-particle-swarm-optimization-algorithm-from-scratch-74471d064f91 https://nathanrooy.github.io/posts/2016-08-17/simple-particle-swarm-optimization-with-python/ https://github.com/zaman13/Particle-Swarm-Optimization-PSO-using-Python https://www.mathworks.com/matlabcentral/fileexchange/77119-particle-swarm-optimization https://www.mathworks.com/matlabcentral/fileexchange/67804-particle-swarm-optimization-pso-matlab-code-explanation https://www.analyticsvidhya.com/blog/2021/10/an-introduction-to-particle-swarm-optimization-algorithm/ https://github.com/7ossam81/EvolPy/tree/master/optimizers	Ferdjallah Khawla, Chenane Somia,

4	Firefly Algorithm (FA)	https://www.mathworks.com/matlabcentral/fileexchange/52900-firefly-algorithm-fa https://github.com/7ossam81/Evolopy/tree/master/optimizers https://github.com/7ossam81/Evolopy/blob/master/optimizers/FFA.py https://www.researchgate.net/publication/259472546_Firefly_Algorithm_for_Optimization_Problem https://core.ac.uk/download/pdf/55631032.pdf https://www.hindawi.com/journals/jam/2013/832718/	Chergui Zinnedine, Drahmoun Mohammed, Rekioua Imad-eddine
5	Grey Wolf Optimization (GWO) algorithm	https://seyedalimirjalili.com/gwo https://www.baeldung.com/cs/grey-wolf-optimization https://www.mathworks.com/matlabcentral/fileexchange/44974-grey-wolf-optimizer-gwo https://www.geeksforgeeks.org/implementation-of-grey-wolf-optimization-gwo-algorithm/ https://github.com/7ossam81/Evolopy/tree/master/optimizers	Benazi Lina, Benredjem Maria Rania, Messili Cheyma
6	Harris Hawks Optimization algorithm	https://aliasgharheidari.com/HHO.html http://mdm.wzu.edu.cn/HHO.html https://aliasgharheidari.com/HarrisHawksOptimizationHHOAlgorithmmandapplications-aliasgharheidaricom.pdf https://github.com/cahitberkay/Harris-Hawks-Optimization-HHO---Python-Code https://github.com/7ossam81/Evolopy/tree/master/optimizers	Barka Wafa, Gasmi Nassira, Bouarbi Mounya
7	Salp swarm algorithm	https://link.springer.com/article/10.1007/s00521-019-04629-4 https://link.springer.com/chapter/10.1007/978-3-030-12127-3_11 https://github.com/Valdecy/Metaheuristic-Salp_Swarm_Algorithm https://seyedalimirjalili.com/ssa https://www.mathworks.com/matlabcentral/fileexchange/63745-ssa-salp-swarm-algorithm https://github.com/7ossam81/Evolopy/tree/master/optimizers	Bezaiou Samiha, Kharfi Hibatallah, Abdallaoui Chaima
8	Whale Optimization Algorithm	https://github.com/7ossam81/Evolopy/tree/master/optimizers https://www.baeldung.com/cs/whale-optimization-algorithm https://www.geeksforgeeks.org/whale-optimization-algorithm-woa/ https://link.springer.com/article/10.1007/s00521-020-04849-z https://www.mathworks.com/matlabcentral/fileexchange/55667-the-whale-optimization-algorithm https://seyedalimirjalili.com/woa https://www.matlabsolutions.com/genetic-algorithm/whale-optimization-algorithm-in-matlab.php https://github.com/docwza/woa	Korichi Attahir, Marrok Abderrahmane, Seghiri Chada

9	Chicken Swarm Optimization	https://github.com/7ossam81/EvoloPy/tree/master/optimizers https://link.springer.com/chapter/10.1007/978-3-319-11857-4_10 https://www.slideshare.net/abdonajmeldin/chicken-swarm-optimization-cso https://github.com/decipher07/Chicken-Swarm-Optimization https://www.researchgate.net/publication/278691165_A_New_Bio-inspired_Algorithm_Chicken_Swarm_Optimization https://github.com/7ossam81/EvoloPy/blob/master/optimizers/CS.py https://www.mathworks.com/matlabcentral/fileexchange/48204-cso https://github.com/HaaLeo/swarmlib/tree/master/swarmlib/cuckoosearch https://www.researchgate.net/publication/343378347_Chicken_Swarm_Optimization	Akka Ali Bey, Bourezg Abd el Madjid
10	Bat Algorithm	https://github.com/7ossam81/EvoloPy/tree/master/optimizers https://github.com/7ossam81/EvoloPy/blob/master/optimizers/BAT.py https://www.researchgate.net/publication/233780272_Bat_Algorithm_A_Novel_Approach_for_Global_Engineering_Optimization https://www.mathworks.com/matlabcentral/fileexchange/68981-bat-optimization-algorithm https://www.mathworks.com/matlabcentral/fileexchange/74768-the-standard-bat-algorithm-ba https://github.com/buma/BatAlgorithm https://free-thesis.com/product/bat-optimization-algorithm/ https://www.mathworks.com/matlabcentral/fileexchange/51258-novel-bat-algorithm-nba https://arxiv.org/pdf/1308.3900.pdf https://www.researchgate.net/publication/338782603_Bat_algorithm_BA_review_applications_and_modifications https://www.researchgate.net/publication/281673033_Bat_algorithm_Recent_advances https://www.iztok-jr-fister.eu/static/publications/31.pdf	Benseffa Yassine, Boudiaf Hicham