References

# Genetic Programming

Genetic Programming 2015

<https://link.springer.com/content/pdf/10.1007%2F978-3-319-16501-1.pdf>

Genetic Programming with One-Point Crossover and Point Mutation.

[https://s3.amazonaws.com/academia.edu.documents/5871366/10.1.1.49.5419.pdf?response-content-disposition=inline%3B%20filename%3DGenetic\_programming\_with\_one-point\_cross.pdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&|X-Amz-Credential=AKIAIWOWYYGZ2Y53UL3A%2F20191104%2Fus-east-1%2Fs3%2Faws4\_request&X-Amz-Date=20191104T111624Z&X-Amz-Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Signature=3e5447d2b75c269aad9b02ac0981bb4b69e2ef95911c20167b4f9bfc25be698d](https://s3.amazonaws.com/academia.edu.documents/5871366/10.1.1.49.5419.pdf?response-content-disposition=inline%3B%20filename%3DGenetic_programming_with_one-point_cross.pdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWOWYYGZ2Y53UL3A%2F20191104%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20191104T111624Z&X-Amz-Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Signature=3e5447d2b75c269aad9b02ac0981bb4b69e2ef95911c20167b4f9bfc25be698d)

Genetic Programming 2008

<https://link.springer.com/content/pdf/10.1007%2F978-3-540-78671-9.pdf>

Advances in Genetic Programming, Volume 3 - Initialization

<https://books.google.co.uk/books?hl=en&lr=&id=5Qwbal3AY6oC&oi=fnd&pg=PP13&dq=push+genetic+programming&ots=6DukZGyrtc&sig=7MnGyVYRJTBztT6Z4MwyFB_1svA&redir_esc=y#v=onepage&q=push%20genetic%20programming&f=false>

Genetic Programming and Data Structures:

<https://books.google.co.uk/books?hl=en&lr=&id=SVHhBwAAQBAJ&oi=fnd&pg=PA1&dq=push+genetic+programming&ots=Zc0q1dQTtG&sig=vCw3kuSqUuBjraYYhdvepqnuxfE&redir_esc=y#v=onepage&q=push%20genetic%20programming&f=false>

Field guide to genetic programming : -**initialization**

<http://libros.metabiblioteca.org:8080/bitstream/001/184/4/978-1-4092-0073-4.pdf>

Genetic Programming: An Introduction and Tutorial, with a Survey of Techniques and Applications: -**initialization**

<https://wiki.eecs.yorku.ca/course_archive/2010-11/W/4403/_media/gp1.pdf>

Genetic Programming An Introduction -**initialization**

<https://www.researchgate.net/profile/Frank_Francone/publication/221900758_Genetic_Programming_An_Introduction_on_the_Automatic_Evolution_of_computer_programs_and_its_Applications/links/5ce81700a6fdccc9ddcc9cf9/Genetic-Programming-An-Introduction-on-the-Automatic-Evolution-of-computer-programs-and-its-Applications.pdf>

Genetic Programming for Reward Function Search

<https://ieeexplore.ieee.org/st> [amp/stamp.jsp?tp=&arnumber=5473118](https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5473118)

[Genetic programming: on the programming of computers by means of natural selection](https://books.google.com/books?hl=en&lr=&id=Bhtxo60BV0EC&oi=fnd&pg=PR11&dq=genetic+programming&ots=9qhPltf2RQ&sig=sVIZDD7plTiBPsEAzpMf7ErH0tg) – Initialization

<https://books.google.co.uk/books?hl=en&lr=&id=Bhtxo60BV0EC&oi=fnd&pg=PR11&dq=genetic+programming&ots=9qhPltf2RQ&sig=sVIZDD7plTiBPsEAzpMf7ErH0tg&redir_esc=y#v=onepage&q=genetic%20programming&f=false>

Foundations of Genetic Programming

<https://books.google.co.uk/books?hl=en&lr=&id=zsaqCAAAQBAJ&oi=fnd&pg=PA1&dq=genetic+programming&ots=8zDKEzvfrq&sig=LzTQU5xjMzrbSs1JS0AIKgFezSE&redir_esc=y#v=onepage&q=genetic%20programming&f=false>

[Handbook of genetic programming applications](https://link.springer.com/content/pdf/10.1007/978-3-319-20883-1.pdf)

<https://www.researchgate.net/profile/Rajib_Maity/publication/295259535_Potential_of_Genetic_Programming_in_Hydroclimatic_Prediction_of_Droughts_An_Indian_Perspective/links/57b56d4708ae19a365fb022f.pdf>

Genetic programming in the twenty‑first century: a bibliometric and content‑based analysis from both sides of the fence

<https://link.springer.com/content/pdf/10.1007%2Fs10710-019-09363-3.pdf>

Empirical modeling using genetic programming: a survey of issues and approaches

<https://link.springer.com/content/pdf/10.1007%2Fs11047-014-9416-y.pdf>

Genetic Programming Algorithms for Dynamic Environments

<https://link.springer.com/content/pdf/10.1007%2F978-3-319-31153-1.pdf> pg 280

Essentials of Metaheuristics

<https://cs.gmu.edu/~sean/book/metaheuristics/>

saved on github

On the Search Properties of Different Crossover Operators in Genetic Programming

<https://cswww.sx.ac.uk/staff/rpoli/papers/Poli-GP1998.pdf>

# Assessment of problem modality by differential performance of lexicase selection in genetic programming: a preliminary report

# <https://dl.acm.org/citation.cfm?doid=2330784.2330846>

# Epsilon-Lexicase Selection for Regression

<https://dl.acm.org/citation.cfm?id=2908898>

# PushGP

Stack-Based Genetic Programming

<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=350025>

Auto constructive Evolution: Push, PushGP, and Pushpop

<http://faculty.hampshire.edu/lspector/pubs/ace.pdf>

Evolving a Digital Multiplier with the PushGP Genetic Programming System

<http://faculty.hampshire.edu/lspector/pubs/W1501-helmuth-with-erratum.pdf>

Pysh GP

<http://delivery.acm.org/10.1145/3090000/3082468/p1255-pantridge.pdf?ip=137.195.15.15&id=3082468&acc=CHORUS&key=C2D842D97AC95F7A%2E8C2422C056BE0E73%2E4D4702B0C3E38B35%2E6D218144511F3437&__acm__=1572868117_8ab871348a2a3e7792377a665150e196>

Genetic Programming and Autoconstructive Evolution with the Push Programming Language

<https://link.springer.com/content/pdf/10.1023%2FA%3A1014538503543.pdf>

Optimising Optimisers with Push GP

<https://arxiv.org/pdf/1910.00945.pdf>

Genetic Programming for Reward Function Search

<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5473118>

Size Control via Size Fair Genetic Operatorsin the PushGP Genetic Programming System

<http://delivery.acm.org/10.1145/2960000/2955624/p733-crawford-marks.pdf?ip=137.195.15.15&id=2955624&acc=ACTIVE%20SERVICE&key=C2D842D97AC95F7A%2E8C2422C056BE0E73%2E4D4702B0C3E38B35%2E4D4702B0C3E38B35&__acm__=1572867066_3cf0ad0dbd3b5203c49a995913201f7a>

Instruction-Level Design of Local Optimisers using Push GP∗

<https://arxiv.org/pdf/1905.10245.pdf>

On Linear Genetic Programming

<https://d-nb.info/1011533146/34>

### Push 3.0 Programming Language Description

<http://faculty.hampshire.edu/lspector/push3-description.html>

# The Push3 execution stack and the evolution of control

<https://dl.acm.org/citation.cfm?id=1068292>

# Evolutionary Robotics

Applying Genetic Programming to Evolve Behavior Primitives and Arbitrators for Mobile Robots

<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=592362>

Evolutionary robotics–A review

<https://link.springer.com/content/pdf/10.1007/BF02703810.pdf>

Using Genetic Programming to Evolve Robot Behaviours

<https://csee.essex.ac.uk/staff/hhu/Papers/TIMR2001_Chris.pdf>

Automatic Generation of Control Programs for Walking Robots Using Genetic Programming

<http://ls11-www.cs.tu-dortmund.de/downloads/papers/BZAR02.pdf>

Method of robot route control with genetic programming

<https://www.atlantis-press.com/proceedings/icmra-15/23446>

Saved on Github

Hybrid Evolutionary Designer of Modular Robots

<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7868256>

Evolving controllers for high-level applications on a service robot: a case study with exhibition visitor flow control

<https://link.springer.com/content/pdf/10.1007%2Fs10710-011-9152-3.pdf>

<https://reader.elsevier.com/reader/sd/pii/S2405896315026427?token=0123660F9D6B8E9545AFBC0CFC4F5D72E99821649A6CDBA5E127E0EC8C9C76E9A7039067443E22CD9D8427D045CBBFD2>

//Learning Biped Locomotion from First Principles on a Simulated Humanoid Robot using Linear Genetic Programming

<http://fy.chalmers.se/~wolff/WN_gecco03.pdf>

//Aibo and Webots: Simulation, wireless remote control and controller transfer

<https://infoscience.epfl.ch/record/142772?ln=en>

# //Cyberbotics Ltd. Webots™: Professional Mobile Robot Simulation

<https://journals.sagepub.com/doi/full/10.5772/5618>

# //Automatic generation of biped locomotion controllers using genetic programming

<https://www.sciencedirect.com/science/article/pii/S0921889014000979>

# //Genetic programming applied to biped locomotion control with sensory information

<https://ieeexplore.ieee.org/abstract/document/7049752> (possibly important)

<http://delivery.acm.org/10.1145/2470000/2463496/p949-krawiec.pdf?ip=137.195.15.15&id=2463496&acc=ACTIVE%20SERVICE&key=C2D842D97AC95F7A%2E8C2422C056BE0E73%2E4D4702B0C3E38B35%2E4D4702B0C3E38B35&__acm__=1572867707_f051ce422b535fc3a2188179c424901f>

# [V-REP, Gazebo or ARGoS? A Robot Simulators Comparison]

<http://lenkaspace.net/tutorials/programming/robotSimulatorsComparison>

<http://www.robotvirtualworlds.com/rvwtools/>

<https://msdn.microsoft.com/en-us/library/dd936006.aspx>

<http://gazebosim.org/>