

Package: xegaGpGene (via r-universe)

August 26, 2024

Title Genetic Operations for Grammar-Based Genetic Programming

Version 1.0.0.1

Description An implementation of the representation-dependent gene level operations of grammar-based genetic programming with genes which are derivation trees of a context-free grammar: Initialization of a gene with a complete random derivation tree, decoding of a derivation tree. Crossover is implemented by exchanging subtrees. Depth-bounds for the minimal and the maximal depth of the roots of the subtrees exchanged by crossover can be set. Mutation is implemented by replacing a subtree by a random subtree. The depth of the random subtree and the insertion node are configurable. For details, see Geyer-Schulz (1997, ISBN:978-3-7908-0830-X).

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URL <<https://github.com/ageyerschulz/xegaGpGene>>

Encoding UTF-8

LazyData false

RoxygenNote 7.2.3

Suggests testthat

Imports stats, xegaBNF, xegaDerivationTrees, xegaSelectGene

Repository <https://ageyerschulz.r-universe.dev>

RemoteUrl <https://github.com/ageyerschulz/xegagpgene>

RemoteRef HEAD

RemoteSha 657f896b6b81a3187e101eff113cb096b5d02b9f