

Package: xegaDfGene (via r-universe)

October 7, 2026

Title Gene Operations for Real-Coded Genes

Version 1.0.0.10

Description Representation-dependent gene-level operations for genetic and evolutionary algorithms with real-coded genes used in the R-package 'xega' <<https://CRAN.R-project.org/package=xega>> are collected in this package. The common feature of the gene operations is that all of them are useful for derivation-free optimization algorithms. At the moment the package implements initialization, mutation, crossover, and replication operations for differential evolution as described in Price, Kenneth V., Storn, Rainer M. and Lampinen, Jouni A. (2005) <[doi:10.1007/3-540-31306-0](https://doi.org/10.1007/3-540-31306-0)>. In addition, several (more recent) methods for determining the scale factor are provided. For 'xega's architecture, see Geyer-Schulz, A. (2025) <[doi:10.5445/IR/1000187255](https://doi.org/10.5445/IR/1000187255)>.

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

Encoding UTF-8

LazyData false

RoxygenNote 7.3.3

Suggests testthat (>= 3.0.0)

Imports rlang, xegaSelectGene

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

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

RemoteRef HEAD

RemoteSha 2c298e5bf287d526ca2569e24beabdf6d5b0d981