

Package: amatrix.mlx (via r-universe)

July 10, 2026

Type Package

Title MLX Backend for 'amatrix' on Apple Silicon

Version 0.1.0

Description GPU-accelerated backend for the 'amatrix' package using Apple 'MLX' via the 'mlx-c' C API. Registers dense float32 matrix products, factorizations, and resident (GPU-memory) execution on Apple Silicon; builds a mock bridge and reports itself unavailable when 'mlx-c' is absent, so installation is safe on any platform.

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URL <https://github.com/bbuchsbaum/amatrix>

BugReports <https://github.com/bbuchsbaum/amatrix/issues>

Encoding UTF-8

LazyData true

Depends R (>= 4.3)

Imports amatrix, methods

Suggests irlba, Matrix, testthat (>= 3.0.0)

OS_type unix

SystemRequirements mlx-c (>= 0.6, via Homebrew or MLX_C_PREFIX); Apple Silicon macOS for GPU acceleration (a mock bridge is built when mlx-c is unavailable)

NeedsCompilation yes

Config/testthat/edition 3

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

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RemoteUrl <https://github.com/bbuchsbaum/amatrix>

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