Resource Summary Report

Generated by dkNET on Apr 30, 2025

LAPACK linear algebra library

RRID:SCR_008661

Type: Tool

Proper Citation

LAPACK linear algebra library (RRID:SCR_008661)

Resource Information

URL: https://simtk.org/home/lapack

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Description: This project is the SimTK Core implementation of the extremely reliable, high speed linear algebra package LAPACK and the underlying BLAS library on which LAPACK is built. It uses ATLAS to generate hand tuned BLAS kernels for a variety of hardware platforms, including multiprocessors, using a variety of operating systems including Windows, Mac, and Red Hat Linux. These platforms are pre-built and make the binaries available as a single shared library which can be conveniently used by any program. This means that users who are not experts in high performance scientific computation can nonetheless use the fastest linear algebra methods available for their machines.

Synonyms: LAPACK

Resource Type: database, data or information resource, software resource, documentation generation software, software development tool, software application

Keywords: BLAS, linear algebra, database

Funding: NIGMS U54 GM072970

Resource Name: LAPACK linear algebra library

Resource ID: SCR_008661

Alternate IDs: nif-0000-33176

Record Creation Time: 20220129T080248+0000

Record Last Update: 20250429T055258+0000

Ratings and Alerts

No rating or validation information has been found for LAPACK linear algebra library.

No alerts have been found for LAPACK linear algebra library.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.