

# Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

## rsvd

RRID:SCR\_024303

Type: Tool

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### Proper Citation

rsvd (RRID:SCR\_024303)

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### Resource Information

**URL:** <https://cran.r-project.org/package=rsvd>

**Proper Citation:** rsvd (RRID:SCR\_024303)

**Description:** Software R package used to compute near optimal low-rank singular value decomposition of massive data sets with high accuracy. Provides several randomized matrix algorithms such as randomized singular value decomposition (rsvd), randomized principal component analysis (rpca), randomized robust principal component analysis (rrpca), randomized interpolative decomposition (rid), and the randomized CUR decomposition (rcur). In addition several plot functions are provided.

**Synonyms:** randomized singular value decomposition

**Resource Type:** software resource, software toolkit

**Defining Citation:** [DOI:10.18637/jss.v089.i11](https://doi.org/10.18637/jss.v089.i11)

**Keywords:** randomized singular value decomposition, singular value decomposition, compute optimal low-rank singular value decomposition, massive data sets,

**Availability:** Free, Available for download, Freely available,

**Resource Name:** rsvd

**Resource ID:** SCR\_024303

**Alternate URLs:** <https://sources.debian.org/src/r-cran-rsvd/>

**License:** GPL (? 3)

**Record Creation Time:** 20230830T050217+0000

**Record Last Update:** 20260801T190901+0000

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### Ratings and Alerts

No rating or validation information has been found for rsvd.

No alerts have been found for rsvd.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.