

Resource Summary Report

Generated by ASWG on Aug 4, 2026

Principal Components Analysis of Scalar, Vector, and Mesh Vertex Data

RRID:SCR_014163

Type: Tool

Proper Citation

Principal Components Analysis of Scalar, Vector, and Mesh Vertex Data
(RRID:SCR_014163)

Resource Information

URL: <http://www.nitrc.org/projects/pca-scalar-mesh>

Proper Citation: Principal Components Analysis of Scalar, Vector, and Mesh Vertex Data
(RRID:SCR_014163)

Description: An implementation of standard PCA algorithms for use on scalar or vector data sets. Kernel PCA is implemented in this class, where the data sets are scalar or vector valued functions assigned at each of the points in a PointSet. A Gaussian Distance Kernel class is provided with the PCA class.

Resource Type: software application, data processing software, data analysis software, image analysis software, software resource

Keywords: pca algorithm, shape analysis, data analysis software, scalar data set, vector data set

Availability: Available to the research community

Resource Name: Principal Components Analysis of Scalar, Vector, and Mesh Vertex Data

Resource ID: SCR_014163

License: Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260804T043531+0000

Ratings and Alerts

No rating or validation information has been found for Principal Components Analysis of Scalar, Vector, and Mesh Vertex Data.

No alerts have been found for Principal Components Analysis of Scalar, Vector, and Mesh Vertex Data.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.