

# Resource Summary Report

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

RRID:SCR\_014163

Type: Tool

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### Proper Citation

Principal Components Analysis of Scalar, Vector, and Mesh Vertex Data  
(RRID:SCR\_014163)

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### 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:** data analysis software, image analysis software, software application, data processing software, software resource

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

**Funding:**

**Availability:** Available to the research community

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

**Resource ID:** SCR\_014163

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**Record Creation Time:** 20220129T080319+0000

**Record Last Update:** 20250417T065448+0000

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## 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.

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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.