

Resource Summary Report

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SPHARM-PDM Toolbox

RRID:SCR_002546

Type: Tool

Proper Citation

SPHARM-PDM Toolbox (RRID:SCR_002546)

Resource Information

URL: http://www.na-mic.org/Wiki/index.php/UNC_SPHARM-PDM_Tutorial

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Description: Software tool that computes point-based models using a parametric boundary description for the computing of Shape analysis. The point-based models computed with the SPHARM-PDM tool can be used in combination with the also UNC designed statistical tool shapeAnalysisMANCOVA to perform quantitative morphological assessment of structural changes at specific locations. Shape analysis has become of increasing interest to the medical community due to its potential to precisely locate morphological changes between healthy and pathological structures.

Abbreviations: SPHARM-PDM Toolbox

Synonyms: UNC SPHARM-PDM, SPHARM-PDM UNC Toolbox

Resource Type: software resource, software application

Defining Citation: [PMID:24027625](#)

Keywords: analyze, c++, console (text based), macos, microsoft, magnetic resonance, nifti, nrrd, posix/unix-like, quantification, quantitative shape analysis, shape analysis, shape decomposition, spherical harmonics, surface analysis, win32 (ms windows), windows

Funding:

Availability: 3D Slicer License

Resource Name: SPHARM-PDM Toolbox

Resource ID: SCR_002546

Alternate IDs: nlx_155953

Alternate URLs: <http://www.nitrc.org/projects/spharm-pdm>

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250416T063303+0000

Ratings and Alerts

No rating or validation information has been found for SPHARM-PDM Toolbox.

No alerts have been found for SPHARM-PDM Toolbox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.