SPHARM-PDM Toolbox

RRID:SCR_002546
Type: Tool

Proper Citation

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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.

Resource Type: Resource, software resource, software application

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

Parent Organization: National Alliance for Medical Image Computing, University of North Carolina at Chapel Hill; North Carolina; USA

Related resources: INCF Software Center

Availability: 3D Slicer License

Website Status: Last checked up

Abbreviations: SPHARM-PDM Toolbox
Resource Name: SPHARM-PDM Toolbox
Resource ID: SCR_002546
Alternate IDs: nlx_155953
Alternate URLs: http://www.nitrc.org/projects/spharm-pdm

Ratings and Alerts
- 5 / 5 (2 votes) Rated at NITRC http://www.nitrc.org/projects/spharm-pdm
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.