

# Resource Summary Report

Generated by RRID on Apr 11, 2025

## NiftySim

RRID:SCR\_006591

Type: Tool

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### Proper Citation

NiftySim (RRID:SCR\_006591)

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### Resource Information

**URL:** <http://sourceforge.net/projects/niftysim/>

**Proper Citation:** NiftySim (RRID:SCR\_006591)

**Description:** A high-performance nonlinear finite element solver. A key feature is the option of GPU-based execution, which allows the solver to significantly out-perform equivalent commercial packages.

**Abbreviations:** NiftySim

**Synonyms:** Nifty Sim

**Resource Type:** software resource

**Keywords:** pet, spect

**Funding:**

**Availability:** BSD License

**Resource Name:** NiftySim

**Resource ID:** SCR\_006591

**Alternate IDs:** nlx\_155900

**Alternate URLs:** <http://www.nitrc.org/projects/niftysim>

**Record Creation Time:** 20220129T080237+0000

**Record Last Update:** 20250410T065443+0000

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## Ratings and Alerts

No rating or validation information has been found for NiftySim.

No alerts have been found for NiftySim.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#).

Chen JH, et al. (2019) Evaluation of breast stiffness measured by ultrasound and breast density measured by MRI using a prone-supine deformation model. *Biomarker research*, 7, 20.

Johnsen SF, et al. (2015) NiftySim: A GPU-based nonlinear finite element package for simulation of soft tissue biomechanics. *International journal of computer assisted radiology and surgery*, 10(7), 1077.