Resource Summary Report

Generated by NIF on May 8, 2025

MCML and CONV

RRID:SCR_002419
Type: Tool

Proper Citation

MCML and CONV (RRID:SCR_002419)

Resource Information

URL: http://omlc.ogi.edu/software/mc/

Proper Citation: MCML and CONV (RRID:SCR_002419)

Description: MCML is a Monte Carlo simulation program for Multi-layered Turbid Media with an infinitely narrow photon beam as the light source. The simulation is specified by an input text file called, for example, sample.mci, which can be modified by any simple text editor. The output is another text file called, for example, sample.mco. (The names are arbitrary.) CONV is a convolution program which uses the MCML output file to convolve for photon beams of any size in a Gaussian or flat field shape. CONV can provide a variety of output formats (reflectance, transmission, iso-fluence contours, etc.), which are compatible with standard graphics applications.

Abbreviations: MCML, MCML & CONV, CONV

Synonyms: Monte Carlo for Multi-Layered media

Resource Type: software resource, software application, simulation software

Defining Citation: PMID:9421660, PMID:19256707

Keywords: optical imaging

Funding:

Availability: Open Software License v3, Http://www.nitrc.org/include/glossary.php#552

Resource Name: MCML and CONV

Resource ID: SCR_002419

Alternate IDs: nlx_155791

Alternate URLs: http://www.nitrc.org/projects/mcml

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250506T060326+0000

Ratings and Alerts

No rating or validation information has been found for MCML and CONV.

No alerts have been found for MCML and CONV.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.