

Resource Summary Report

Generated by [RRID](#) on Sep 10, 2026

Mesh-based Monte Carlo (MMC)

RRID:SCR_006950

Type: Tool

Proper Citation

Mesh-based Monte Carlo (MMC) (RRID:SCR_006950)

Resource Information

URL: <http://mcx.sf.net/mmc/>

Proper Citation: Mesh-based Monte Carlo (MMC) (RRID:SCR_006950)

Description: A Monte Carlo (MC) solver for photon migration in 3D turbid media. Different from existing MC software designed for layered (such as MCML) or voxel-based media (such as MMC or tMCimg), MMC can represent a complex domain using a tetrahedral mesh. This not only greatly improves the accuracy of the solutions when modeling objects with smooth/complex boundaries, but also gives an efficient way to sample the problem domain to use less memory. The current version of MMC support multi-threaded programming and can give a almost proportional speed-up when using multiple CPU cores.

Abbreviations: MMC

Synonyms: Mesh-based Monte Carlo

Resource Type: software application, software resource

Keywords: c, console (text based), modeling, monte carlo, optical imaging, posix/unix-like

Availability: GNU General Public License

Resource Name: Mesh-based Monte Carlo (MMC)

Resource ID: SCR_006950

Alternate IDs: nlx_155810

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

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260905T133238+0000

Ratings and Alerts

No rating or validation information has been found for Mesh-based Monte Carlo (MMC).

No alerts have been found for Mesh-based Monte Carlo (MMC).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.