# **Resource Summary Report**

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# 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/

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**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 resource, software application

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

**Funding:** 

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: 20250416T063450+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.