

# History of MC simulation of radiation transport

These two articles describe the origins of MC simulation of radiation transport in the wake of the Manhattan Project:

- N. Metropolis,  
The beginning of the Monte Carlo method,  
*Los Alamos Science* Special Issue (1987) 125–130.  
<http://library.lanl.gov/cgi-bin/getfile?00326866.pdf>
- R. Eckhardt,  
Stan Ulam, John von Neumann, and the Monte Carlo method,  
*Los Alamos Science* Special Issue (1987) 131–141.  
<http://library.lanl.gov/cgi-bin/getfile?15-13.pdf>

To our knowledge, the following short article reports the first MC simulation of photon transport:

- E. Hayward and J. Hubbell,  
The albedo of various materials for 1-Mev photons,  
*Physical Review* **93** (1954) 955–956.  
<http://journals.aps.org/pr/abstract/10.1103/PhysRev.93.955>