



Radiation Transport Methods and Algorithms

Like its hydrodynamic cousin, radiation transport is another fundamental physical process in the evolution of the explosion of a nuclear weapon. The articles in this section are centered on the latest developments in this field in critical areas such as new Monte Carlo techniques for efficient and accurate simulations on complex mesh types, important new developments for the implicit Monte Carlo method, verification and validation results for key radiation transport schemes, a valuable new methods result which may lead to a more precise and efficient convergence of transport simulations, and a collage of student projects in radiation transport methods representing a key talent pipeline of critical importance to Los Alamos National Laboratory.