Abstracts

Improvement of Convergence in Moment-Method Solutions by the Use of Interpolants

Two interpolants are described that may be used to correct the results of a moment-method solution using pulse functions as a basis and delta functions for testing. The interpolants allow for some of the variation of the fields within each cell and thereby increase accuracy and improve convergence. The interpolants are usable for a general scatterer and typically require about 1 percent of the cost of the initial numerical solution.

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