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The method of spherical harmonics for the transfer equation. (English. Russian original)

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Sov. Phys., Dokl. 27, 1018-1020 (1982); translation from Dokl. Akad. Nauk SSSR 267, 1098-1102 (1982).

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MSC:

45K05 Integro-partial differential equations

45L05 Theoretical approximation of solutions to integral equations

82C70 Transport processes in time-dependent statistical mechanics

Cited in 1 Document

Keywords:

transfer equation; one-velocity transport equation; radiation intensity; specular reflection; diffuse reflection; spherical harmonics method; unique (strong) solution; self-adjoint form; Galerkin method