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On an application of the method of matching asymptotic expansions. (English. Russian original)

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Sov. Math., Dokl. 22, 146-151 (1980); translation from Dokl. Akad. Nauk SSSR 253, 786-790 (1980).

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MSC:

35J25 Boundary value problems for second-order elliptic equations

35B20 Perturbations in context of PDEs

35C20 Asymptotic expansions of solutions to PDEs

41A60 Asymptotic approximations, asymptotic expansions (steepest descent, etc.)

Keywords:

matching asymptotic expansions; first boundary value problem; Green function