

ON A RECURRENCE METHOD FOR SOLVING A SINGULARLY PERTURBED CAUCHY PROBLEM FOR A SECOND ORDER EQUATION

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In the present article, the method of deviating argument is applied to solving a singularly perturbed Cauchy problem for an ordinary differential equation of the second order with variable coefficients.

Key words and phrases: singular Cauchy problem, differential equation with deviating argument, spectral resolutions of selfadjoint operators.

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