

Numerical Solutions of Source Identification Problem for Parabolic-Elliptic Equations

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Abstract: A numerical study is presented of boundary value problem for parabolic-elliptic equations with unknown source term. The first and second order of accuracy difference schemes are constructed and the numerical procedure for implementation of these schemes is discussed. Numerical example is included.

Keywords: Source identification, parabolic-elliptic differential equations, difference schemes, numerical experience.

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