

عنوان مقاله:

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خلاصه مقاله:

The inverse problem of identifying an unknown source control parameter in a semilinear parabolic equation under an integral overdetermination condition is considered. The series pattern solution of the proposed problem is obtained by using the weighted homotopy analysis method (WHAM). A description of the method for solving the problem and finding the unknown parameter is derived. Finally, two numerical examples are investigated to illustrate this method.

کلمات کلیدی:

Semilinear parabolic equation, Inverse problem, Unknown control parameter, Weighted homotopy analysis method, Series solution

لینک ثابت مقاله در پایگاه سیویلیکا:

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