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On problems of determining the source function in a parabolic equation. (English)

Zbl 0828.35142

J. Inverse Ill-Posed Probl. 3, No. 1, 83-102 (1995).

Summary: This work is to examine the existence and uniqueness of solutions to problems of determining the source function in the heat equation when the sought-for function depends on all independent variables of the equation. We find sufficient conditions for unique solvability of these problems.

MSC:

[35R30](#) Inverse problems for PDEs

[35K05](#) Heat equation

Cited in **52** Documents

Keywords:

source identification; heat equation; sufficient conditions for unique solvability

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