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THERMAL SCIENCE

International Scientific Journal

[Christo Boyadjiev](#)

INCORRECT INVERSE PROBLEM CONECTED WITH THE PARAMETER IDENTIFICATION OF THE HEAT AND MASS TRANSFER MODELS

ABSTRACT

A method for inverse problem solution by means of iterative regularization has been developed. A numerical algorithm for solving inverse incorrect problems based on the developed iterative regularization has been proposed.

KEYWORDS

[numerical method](#), [parameter identification](#), [inverse incorrect problems](#), [iterative regularization](#)

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REFERENCES [view full list]

1. Tikhonov, A.N, Arsenin, V.I., Methods for solutions of incorrect problems, Nauka, Moscow, 1979 (in Russian).
2. Tikhonov, A.N, Kal'ner V.D., Glasko, V.B., Mathematical modelling of technological processes and method of inverse problems, Mashinostroenie, Moscow, 1990 (in Russian).
3. Boyadjiev, Chr., Fundamentals of modeling and simulation in chemical engineering and technology, Edit. Bulg. Acad. Sci.,Inst. Chem. Eng., Sofia, 1993 (in Bulgarian).
4. Boyadjiev, Chr., On the model parameter identification and the incorrectness of the invers problems, Proceedings, Bourgas' 2001, 6th Workshop on "Transport Phenomena in Two - Phase Flow", Sept. 11-16, Bulgaria, 2001.

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