



Volume 6, Issue 1, Article 5

Two Iterative Schemes for an H-system

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Keywords: H -systems, Newton Imbedding, Upper and Lower solutions, Iterative methods.
Date Received: 01/11/04
Date Accepted: 15/12/04
Subject Codes: 34B15, 35J25.
Editors: [Lokenath Debnath](#),

Abstract: Two iterative schemes for the solution of an H-system with Dirichlet boundary data for a revolution surface are studied: a Newton imbedding type procedure, which yields the local quadratic convergence of the iteration and a more simple scheme based on the method of upper and lower solutions.



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