

The solution of high dimensional Fredholm integral equations using homotopy perturbation method

ABSTRACT. In this paper, we study the use of the homotopy perturbation method (HPM) to solve high dimensional Fredholm integral equations. The results show that the proposed method is very powerful and efficient technique in finding exact solutions and approximate solutions for high dimensional Fredholm integral equations.

Key words: homotopy perturbation method, high dimensional Fredholm integral equations.

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