

Title Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method.

Abstract In this paper, Mahgoub Adomian decomposition method (MADM), to handle the wave and heat equations, is introduced. The efficiency of the present method will be shown by applying the procedure on four examples.

Key words Mahgoub Adomian decomposition method, Mahjoub transform, Partial Differential Equations, Heat equation, Wave equation.

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