

KINGDOM OF SAUDI ARABIA

Ministry of Higher Education

KING ABDULAZIZ UNIVERSITY

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Approximation of solutions of the forced duffing equation with m-point boundary conditions

(2009) *Communications in Applied Analysis*, 13 (1), pp. 11-20. Cited 1 time.

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Abstract

In this paper, we discuss the existence and uniqueness of the solution of the forced Duffing equation with m-point boundary conditions. A monotone sequence of approximate solutions converging uniformly and quadratically to the unique solution of the problem is obtained by applying a generalized quasilinearization technique © Dynamic Publishers, Inc.

ISSN: 10832564