

Abstract

This paper studies the application of the Adomian Decomposition Method to solve the Homogeneous and inhomogeneous Wave Equations. This technique was proposed by George Adomian in the beginning of 1980 namely (ADM). The Adomian decomposition method is a powerful method which considers the approximate solution of a non-linear equation as an infinite series which usually converges to the exact solution. firstly, the relevant literature is studied in understanding the importance and extent of applicability of the method in the applied science. Also, we solve several examples of the Wave Equations to show that the method is efficient and applicable.