عنوان مقاله:

Computation Adomian Method for Solving Non-linear Differential Equation in the Fluid Dynamic

نویسندگان:

m Rabbani - *Department of Mathematics, Sari branch, Islamic Azad university, Sari, Iran*

a Gelayeri - *Department of Mathematics, Sari branch, Islamic Azad university, Sari, Iran*

خلاصه مقاله:

In this article we investigate to solve non–linear differential equation such that it is produced the in fluid dynamic. Of course the above problem discussed by some authors in three coupled differential equations, but we use some mathematical techniques to transform the coupled equations into a nonlinear differential equation then by Adomian decomposition method we solve the problem. The obtained results are shown the high accuracy in the comparison with similar works.

کلمات کلیدی:

Differential equation, Adomian decomposition, Nonlinear, Coupled equations

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/443425