

عنوان مقاله:

An efficient modification of the Adomian decomposition method for solving nonlinear partial differential equation

محل انتشار:

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خلاصه مقاله:

This paper presents a new modification of the Adomian decomposition method using the double ARASumudu transform (DARA-ST) for solving a class of nonlinear partial differential equations while taking certain conditions. Some test problems are experimented to demonstrate the applicability, validity, and high accuracy of the new modification. The approach proposed may be readily effective and promising to resolving further nonlinear differential equations and getting exact solutions.

کلمات کلیدی:

Modified decomposition method, Double ARA-Sumudu transform, Nonlinear partial differential equations

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