عنوان مقاله:

Homotopy Perturbation Method and Aboodh Transform for Solving Nonlinear Partial Differential Equations

نویسنده:

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خلاصه مقاله:

Here, a new method called Aboodh transform homotopy perturbation method(ATHPM) is used to solve nonlinear partial dierential equations, we presenta reliable combination of homotopy perturbation method and Aboodh transformto investigate some nonlinear partial dierential equations. The nonlinearterms can be handled by the use of homotopy perturbation method. The resultsshow the eciency of this method. Aboodh transform was introducedby Khalid Aboodh to facilitate the process of solving ordinary and partialdifferential equations in the time domain.

کلمات کلیدی:

Aboodh transform, Homotopy Perturbation method, Nonlinear partial differential equations