عنوان مقاله:

Differential transform method for conformable fractional partial differential equations

محل انتشار:

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خلاصه مقاله:

We expand a new generalization of the two-dimensional differential trans form method. The new generalization is based on the two-dimensional differential transform method, fractional power series expansions, and conformable fractional derivative. We use the new method for solving a nonlinear con formable fractional partial differential equation and a system of conformable fractional partial differential equation. Finally, numerical examples are presented to illustrate the preciseness and effectiveness of the new technique.

کلمات کلیدی:

Conformable fractional derivative, Differential Transform Method, two-dimensional differential transform method

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