عنوان مقاله:

The modified simple equation method for the two space-time nonlinear fractional partial differential equations

محل انتشار:

سومین کنفرانس بین المللی محاسبات نرم (سال: 1398)

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خلاصه مقاله:

Many important phenomena in various fields are described and generalized by a fractional partial differential equation. In this paper, the modified simple equation method which is widely applicable to handle nonlinear wave equations, is successfully implemented for constructing exact solutions of two nonlinear fractional equations, namely the space-time nonlinear fractional potential Kadomstev- Petviashvili (PKP) and Sharma-Tasso- Olver (STO) equations in the sense of the modified Riemann-Liouville derivative. As a result, some new exact solutions are successfully obtained for them.

کلمات کلیدی:

Modified simple equation method; space-time nonlinear fractional differential equation; exact solution.

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