Bright soliton solutions for time fractional Korteweg-de Vries (KdV) Equation

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Abstract: In this work, He's semi-inverse variation method and the ansatz method with the modified Riemann-Liouville derivative are used to construct exact solutions for time fractional Korteweg-de Vries (KdV) equation. This fractional equation is transformed another non-linear differential equation by travelling wave transformation and then this method is applied to figure out it.