

عنوان مقاله:

Conformity of Fractional Volterra Integro-Differential Equation Solution with an Integral Equation of Fractional Order

محل انتشار:

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خلاصه مقاله:

For the feasibility of using analytical and numerical studies and findings on fractional integral equations for integro-differential of the fractional order, in this work, the equivalence of a fractional Volterra integro-differential equation of the Hammerstein type with a fractional integral equation is investigated in the Banach space. For this purpose, we use the mutual properties of the fractional order derivative and integral on each other.

کلمات کلیدی:

Fractional integro-differential equation, Hammerstein equation, Riemann-Liouville fractional integral, Caputo derivative

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