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Journal of Fractional Calculus and Applications

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Fractional calculus is allowing integrals and derivatives of any positive order (the term fractional is kept only for historical reasons) [5] [6] [7]. It can be considered a branch of mathematical physics that deals with integral-differential equations, where integrals are of convolution type and exhibit mainly singular kernels of power law or logarithm type.

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Fractional Calculus and Related Inequalities | Hindawi

This monograph provides a comprehensive overview of the author's work on the fields of fractional calculus and waves in linear viscoelastic media, which includes his pioneering contributions on the applications of special functions of the Mittag-Leffler and Wright types. It is intended to serve as a general introduction to the

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Formalization of fractional calculus and fractional order ...

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Fernandez, C. Ustao Iu, " On some analytic properties of tempered fractional calculus", Journal of Computational and Applied Mathematics 366 (2020), 112400. DOI: 10.1016/j.cam.2019.112400 Fernandez, D. Baleanu, H.M. Srivastava, "Corrigendum to " Series representations for fractional-calculus operators involving generalised Mittag-Leffler ...

Fractional Calculus | Department of Mathematics - EMU

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Fractional calculus - Wikipedia

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