

ON PARTIAL FRACTIONAL DIFFERENTIAL EQUATIONS WITH VARIABLE COEFFICIENTS

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Abstract. In this paper we will be explain how to solve the Cauchy problems to some differential equations with partial fractional derivatives having variable coefficients by homotopy perturbation method. The solutions constructed in Mittag-Leffler function.

Mathematics subject classification (2010): 26A33, 35R11, 33E12, 65D99, 65M99.

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