SPREAD OF TECHNOLOGICAL INNOVATIONS USING FRACTIONAL ORDERED DIFFERENTIAL EQUATION MODEL

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Abstract— The present paper deals with the study of mathematical model for spread of technological innovations in companies or industries. Here we show the rate at which new innovations are adopted by the company using fractional differential equation model. We have found solution in terms of Mittag-Leffler function.

Keywords— Mathematical Modeling; Fractional Differential Equation; Mittag-Leffler Function.

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