
New Approach to Solving Nonlinear Fractional Order Partial Differential Equation Models with Non-Homogeneous RobinType Conditions

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In this paper we introduce a new approach to solving fractional nonlinear convection-diffusion-reaction models with non-homogenous mixed(Robin) conditions. This new approach uses fractional derivation in the Caputo sense in time and the classical dervation in space. We can say that this technique enables us to integrate all the conditions imposed on the models.