

# On the time-fractional telegraph equation of distributed order

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In this talk, the Cauchy problem for the time-fractional telegraph equation of distributed order in  $\mathbb{R}^n \times \mathbb{R}^+$  is considered. A representation of the fundamental solution of this equation in terms of convolutions involving the Fox H-function is obtained. Fractional moments of the fundamental solution are computed in the Laplace domain.