

Analytical solution for the conformable fractional telegraph equation by Fourier method

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In this paper, the Fourier method is effectively implemented for solving a conformable fractional telegraph equation. We discuss and derive the analytical solution of the conformable fractional telegraph equation with three kinds of nonhomogeneous boundary conditions, namely, Dirichlet, Neumann and Robin boundary conditions.

Keywords: Conformable fractional telegraph equation, Fourier method, Laplace transform.

2010 Mathematics Subject Classification: 35R11, 42B05, 44A10.

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