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Fundamental solution of a multidimensional axisymmetric equation

Garipov I., Mavlyaviev R.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2017 Informa UK Limited, trading as Taylor & Francis Group For the axisymmetric Helmholtz equation (Formula presented.) it is shown that fundamental solutions constructed by the Gellerstedt method and by means of a transmutation operator are coinciding.

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Keywords

Bessel operator, Fundamental solution, Gauss hypergeometric function, transmutation operator