

Gorenflo, Rudolf; Luchko, Yuri; Mainardi, Francesco

Analytical properties and applications of the Wright function. (English) Zbl 1027.33006

Fract. Calc. Appl. Anal. 2, No. 4, 383-414 (1999).

The goal of this survey paper is to outline the fundamental properties of the Wright function and to consider its role in the study of partial differential equations of fractional order and in some other applications. Also, the asymptotics and distribution of zeros of this function are studied. The survey is based on the original work of the authors. The bibliography contains nearly fifty items by several authors.

Reviewer: [Matti Vuorinen \(Helsinki\)](#)

MSC:

[33C15](#) Confluent hypergeometric functions, Whittaker functions, ${}_1F_1$

[26A33](#) Fractional derivatives and integrals

[33E20](#) Other functions defined by series and integrals

Cited in **104** Documents

Keywords:

[Wright function](#)

Full Text: [arXiv](#)