

**TITLE OF PAPER
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Abstract

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MSC 2010: Primary 26A33: Secondary 33E12, 34A08, 34K37, 35R11, 60G22, ...

Key Words and Phrases: fractional calculus, Mittag-Leffler type functions, fractional ordinary and partial differential equations, ...

1. First section of the paper

Text ... (for details, see [1], [4], [2], [3]) ...

1.1. Preliminary results

P r o o f. Give here the proof of Theorem ?? . Example for equation:

$$ax^2 + bx + c = 0. \tag{1.1}$$

As seen by equation (1.1), it is ... The proof follows from Ref. [3]. □

COROLLARY 1.1. *Text of Corollary 1.1.*

P r o o f. Here comes the proof of Corollary 1.1. □

2. Second section of the paper

Text ... As seen in Section 1, the equation (1.1), $a \neq 0$, has the solutions

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}. \quad (2.1)$$

EXAMPLE 2.1. Let us take in (2.1) ... Then, by Theorem ??, ...

EXAMPLE 2.2. Under same conditions as in Example 2.1, we consider ...



Fig. 2.1: The logos of the co-publishers of the journal

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References

- [1] G. Gasper, M. Rahman, *Basic Hypergeometric Series*. Cambridge University Press, Cambridge (1990).
- [2] V. Kiryakova, A brief story about the operators of generalized fractional calculus. *Fract. Calc. Appl. Anal.* **11**, No 2 (2008), 201-218.
- [3] D.S. Moak, The q -analogue of the Laguerre polynomials. *J. Math. Anal. Appl.* **81**, No 1 (1981), 20-47.
- [4] M. Rosenblum, Generalized Hermite polynomials and the Bose-like oscillator calculus. In: *Operator Theory: Advances and Applications*, Birkhäuser, Basel (1994), 369-396.

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