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Published now with the kind assistance and cooperation of: Institute of Mathematics and Informatics – Bulgarian Academy of Sciences.


Current Publisher – since 2015, Vol. 18:
Walter de Gruyter GmbH, Berlin / Boston,


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To Submit: Electronically to Editor-in-Chief, virginia@diogenes.bg (Virginia Kiryakova). Follow Instructions to Authors, use Authors’ Kit.

Publisher and Distributor, since 2015:
Walter de Gruyter GmbH, Berlin / Boston
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AIMS AND SCOPE

Primary topics of FCAA:
• Fractional Calculus (FC)
• Special Functions and Integral Transforms, \textit{iff} related to FC
• Fractional Order Differential and Integral Equations and Systems
• Mathematical Models of Phenomena, described by the above tools

Secondary topics of Applied Mathematical Analysis, \textit{iff} closely related to FC:
• Algebraic Analysis, Operational and Convolutional Calculi
• Generalized Functions, Harmonic Analysis
• Numerical and Approximation Methods, Computational Procedures and Algorithms, related to the Primary FCAA topics
• Fractional Stochastic Processes
• Fractal and Integral Geometry (if related to FC)

Applications of these techniques to:
• Differential and Integral Equations
• Problems of Mathematical Physics
• Control Theory, Mechanics, Probability and Statistics, Finances, Engineering, Biomedicine, etc.

Other contributions:
• \textit{Iff} revealing connections between FC and the above-mentioned topics to model problems of the real physical and social world

Suggested MSC 2010 entries:
• 26A33, 33E12, 34A08, 34K37, 35R11, 60G22 (primary)
• 30C45, 30E15, 31B15, 33C60, 33E30, 34A25, 42A45, 42C10, 44A20, 44A35, 44A40, 45E10, 93B60, 93D09, 05C72, etc.

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