

Bibliography

Monographs – monograph chapters

1. D. Zorica, S. M. Cvetičanin, **Transmission line modeling by fractional and topological generalization of the telegrapher's equation**, in A. G. Radwan, F. A. Khanday, L. A. Said (Editors), **Fractional-Order Modeling of Dynamic Systems with Applications in Optimization, Signal Processing, and Control**, Elsevier – Academic Press, 2021, London.
2. T. M. Atanacković, B. Stanković, S. Pilipović, D. Zorica, **Fractional Calculus with Applications in Mechanics: Vibrations and Diffusion Processes**, ISTE - Wiley, 2014, London.
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Refereed journal papers

Wave propagation and viscoelastic materials modelling

1. S. Jelić, D. Zorica, **Wave propagation in three-dimensional fractional viscoelastic infinite solid body**, *Physica D: Nonlinear Phenomena*, 464 (2024) 134185–1–30.
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10. G. Hörmann, Lj. Oparnica, D. Zorica, **Solvability and microlocal analysis of the fractional Eringen wave equation**, *Mathematics and Mechanics of Solids*, 23 (2018) 1420–1430.
11. A. Okuka, D. Zorica, **Formulation of thermodynamically consistent fractional Burgers models**, *Acta Mechanica*, 229 (2018) 3557–3570.
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Static and dynamic stability of viscoelastic and non-local rods

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Application of fractional calculus in medicine

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Conference papers and abstracts

Conference papers

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