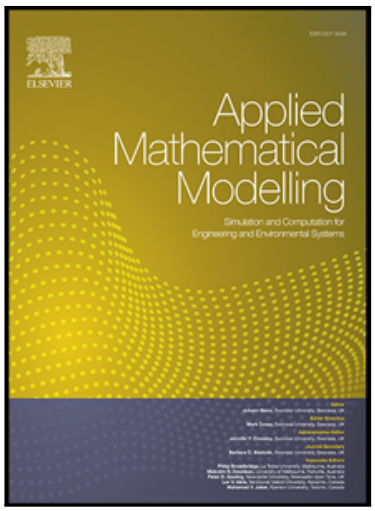

Numerical Solution of Multi-Order Fractional Differential Equations with Multiple Delays via Spectral Collocation Methods

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Highlights

- A framework for solving multi-delay fractional differential equations is proposed.
- Fractional delay differential equiations with irrational delays are disretized.
- The method possesses spectral convergence with efficient computational time.
- The convergence, error estimates, and numerical stability of the method are studied.
- Several illustrative practical examples show the advantages of the method.