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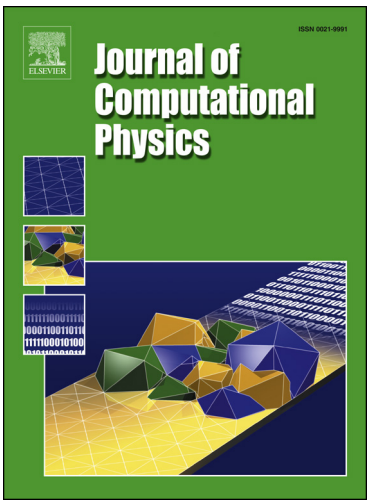

A higher order non-polynomial spline method for fractional sub-diffusion problems

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Highlights

- A high order numerical scheme for fractional sub-diffusion problems is proposed.
- The solvability, stability and convergence are established rigorously.
- Theoretical spatial convergence order is improved.
- Simulation performance is better than previous methods.

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