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Legendre wavelets method for the numerical solution of fractional integro-differential equations with weakly singular kernel

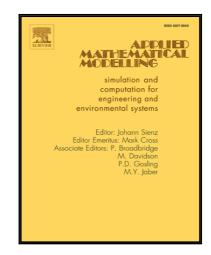
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Highlights

- Approximations of the fractional integro-differential equations are obtained.
- Fractional integration operational matrix of Legendre wavelets is derived.
- Reducing the initial problem to a system of algebraic equations.
- Solving the system of algebraic equations, the approximations are got.



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