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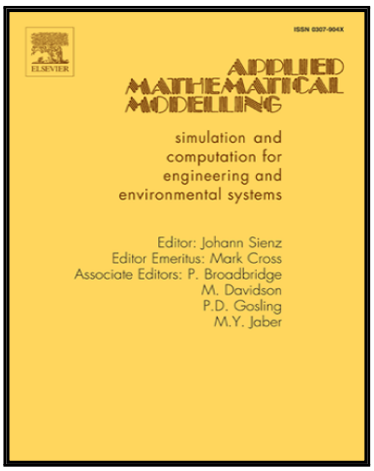

Complex modified function projective synchronization of complex chaotic systems with known and unknown complex parameters

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Highlights

- The main variables and parameters in the chaotic systems are complex.
- The scaling function matrix from CMFPS is a complex-valued diagonal one.
- A set of sufficient criteria for achieving CMFPS and control are derived.
- The parameter update laws for estimating unknown complex parameters are given.
- Do not separate the real and imaginary parts of the parameters or variables.

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