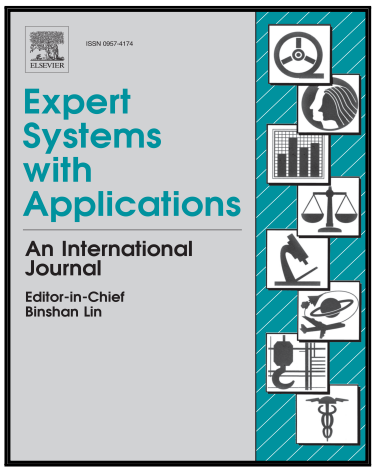

Performance analysis of optimal hybrid novel interval type-2 fractional order fuzzy logic controllers for fractional order systems

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Highlights

- Implementation of hybrid Interval Type-2 Fractional Order Fuzzy PID controller.
- The controllers tuning using hybridized Artificial Bee Colony-Genetic Algorithm.
- The Artificial Bee Colony-Genetic Algorithm contains two potential optimizers.
- The analysis of family of proposed controllers for fractional order processes.
- The recommendations among the proposed hybrid controllers are also demonstrated.