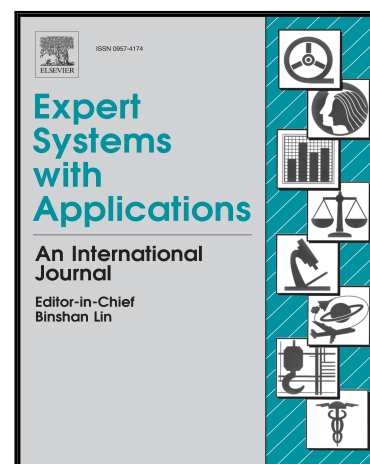


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A fractional order fuzzy PID controller for binary distillation column control

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### Highlights

- Realization of a fractional order fuzzy (FOF) PID controller with nonlinear gains.
- Performance evaluation of FOFPID controller for a binary distillation column.
- Comparison of this controller with its integer order counterpart.
- The proposed FOFPID controller was found superior in all aspects.

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