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Intermittent synchronization of fractional order coupled nonlinear systems based on a new differential inequality

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## Highlights:

1. A new piecewise linear fractional order differential inequality was built in this paper, which would be a useful tool for the analysis of intermittent control for fractional order systems.
2. Some intermittent synchronization criteria are derived and pinning strategy was also discussed for a coupled nonlinear fractional order systems.
3. A simple algorithm to design suitable pinning intermittent controllers was given.

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