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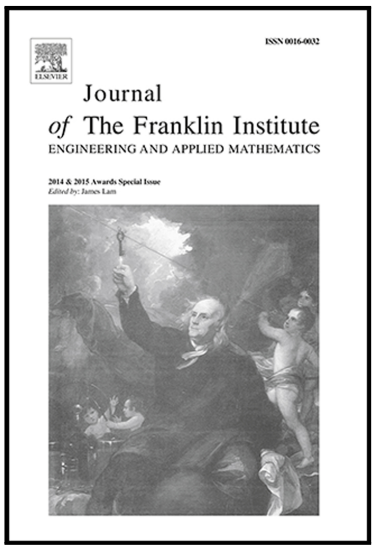

Optimal Adaptive Reset Control with Guaranteed Transient and Steady State Tracking Error Bounds

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Highlights

- A solution for improvement of transient performance in nonlinear adaptive control is proposed.
- An optimal adaptive controller based on reset mechanism is devised.
- Both the transient bound and the asymptotical performance are ensured.
- The speed of convergence rate is increased by resetting the estimated parameters.

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