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Adaptive Stabilization Control for High-order Nonlinear Time-delay Systems with Its Application

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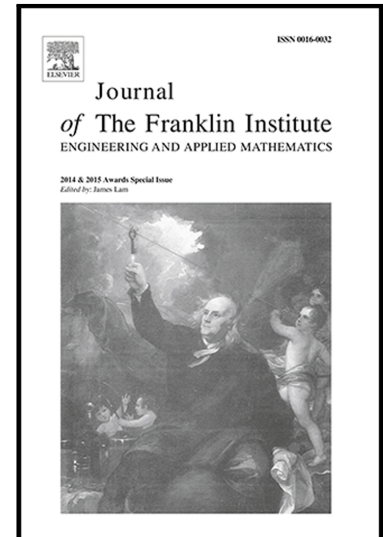
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## Highlights

- An enhanced neural network (NN) approximation method is extended to high-order time-delay systems.
- The power order restriction on high-order and the growth assumptions on system nonlinearities are removed.
- An adaptive state-feedback controller is constructed by using backstepping and NN technique with only one adaptive parameter.
- The property of semi-globally uniformly ultimately bound (SGUUB) is obtained.

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