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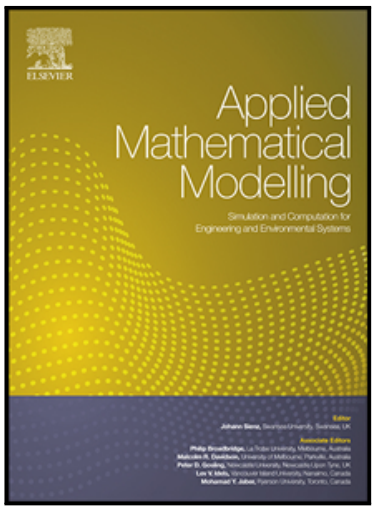

Numerical methods for the stability of time-periodic hybrid time-delay systems with applications

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Highlights

- The pseudospectral tau method is extended to time-periodic hybrid time-delay systems.
- The spectral element method is extended to time-periodic hybrid time-delay systems.
- Stability analysis is performed for a haptic system involving both continuous and discrete delay terms.
- Stability analysis is performed for a milling process with digitally controlled active vibration suppression.

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