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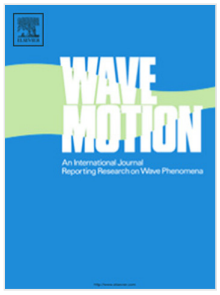

Analytical solutions of first-mode sloshing in new containers

Patrick Weidman

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*Research Highlights

Highlights

- Three new families of containers for planar mode-one sloshing.
- Analytic solution for depth-dependent frequencies.
- Free-surface waveforms given.
- Comparison with results for classical two-dimensional geometries.

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