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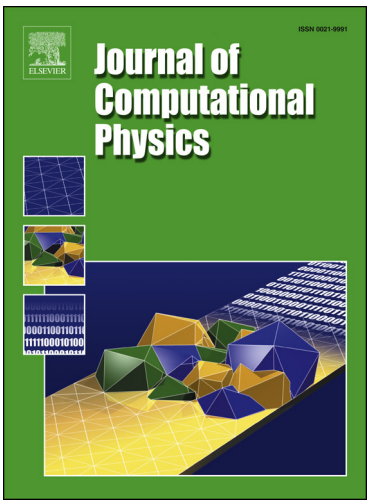

Recovering scattering obstacles by multi-frequency phaseless far-field data

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Highlights

- An approach is devised to break translation invariance of phaseless far-field pattern.
- The approach relies on using superpositions of two plane waves as incident fields.
- A recursive iteration algorithm in frequencies is developed to recover the obstacle.
- The algorithm is based on multi-frequency phaseless far-field data.

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