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The PAC-MAN model: Benchmark case for linear acoustics in computational physics

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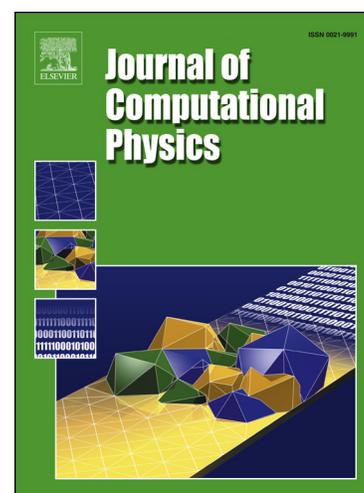
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Highlights

- A benchmark case for 2D harmonic linear acoustic problems is proposed.
- The PAC-MAN geometry is used as emitter/scatterer in this benchmark.
- An analytic formulation of radiated and scattered sound is derived.
- Line and disk sources, plane waves, and surface vibrations are considered.

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