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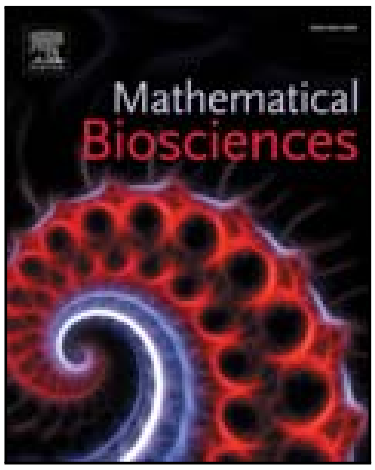

A Model and Analysis for the Nonlinear Amplification of Waves in the Cochlea

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Highlights

- nonlinear three-dimensional model for wave motion in cochlea
- novel nonlinear WKB approximation
- unique hybrid numerical method incorporating the WKB approximation
- numerical experiments demonstrating the ability to reproduce tuning response

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