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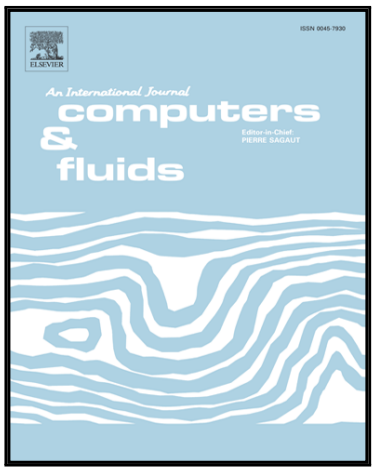

A Discrete Adjoint Framework for Trailing-Edge Noise Minimization via Porous Material

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Highlights

- Discrete adjoint framework developed for trailing-edge noise minimization
- Algorithmic differentiation enables highly accurate and robust adjoint computation
- Noise reduction achieved by optimal design of a porous trailing-edge
- Design space of porous trailing-edge problem shown to be multi-modal

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