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Numerical Analysis of Synthetic Jet Flows using a Diagonally Implicit Harmonic Balance Method with Preconditioning

Dong Kyun Im, Seongim Choi, James McClure, Soo Hyung Park

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Highlights

- A harmonic balance method was implemented in the preconditioned NS equations.
- The present steady-like HBM reproduces well the time-accurate computational results.
- The method can provide better convergence than the conventional unsteady method.

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