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Computational analysis of fluid flow due to a two-sided lid driven cavity with a circular cylinder

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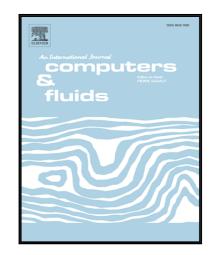
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Highlights

- The unsteady behavior of two-sided lid-driven cubical cavity induced by an obstacle was performed.
- The flow undergoes a bifurcation with a critical Reynolds number of 1034.
- Percentage difference of critical Reynolds number between two- and one-sided lid-driven obstructed cavities is 41.714%.



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