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Numerical investigation of body and hole effects on the cavitating flow behind a disk cavitator at extremely low cavitation numbers

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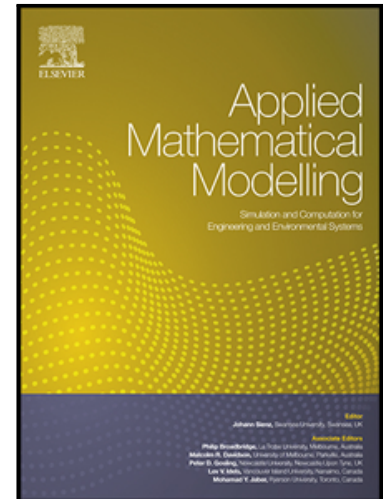
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**Highlights**

- The supercavitating flow over a disk-shaped cavitator is simulated at extremely low cavitation numbers.
- Fairly good agreement is observed between predicted and experimental results for a hemispherical headform body.
- Presence of a body inside the cavity causes the maximum length of the cavity decreases.
- Adding a concentric hole to the disk-cavitator causes the cavity length decreases for large values of the hole diameter.

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