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A multi-layer integral model for locally-heated thin film flow

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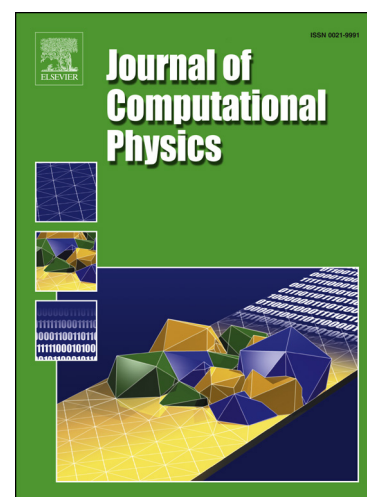
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Graphical abstract

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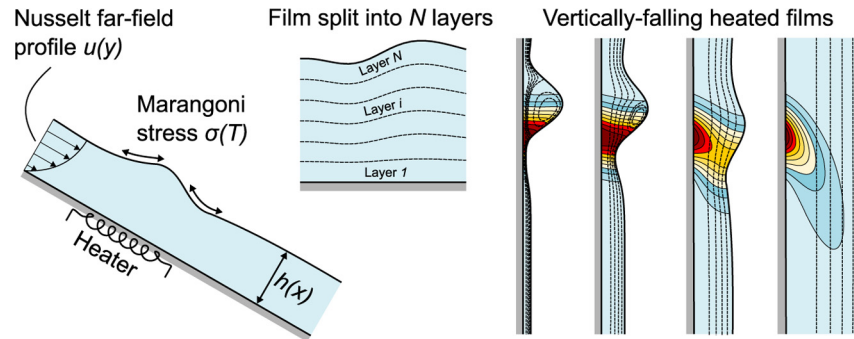
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