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Analytical study on size-dependent static pull-in analysis of clamped-clamped nano-actuators in liquid electrolytes

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Highlights

- The clamped-clamped nano-actuator is in a liquid electrolyte.
- Modified couple stress theory is employed to account the size effects.
- The van der Waals and electrochemical forces are studied.
- The static pull-in instability parameters are reported.

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