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Poisson's ratio and Young's modulus in single-crystal copper nanorods under uniaxial tensile loading by molecular dynamics

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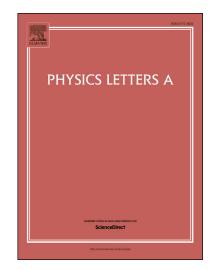
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Highlights

- We define nature strain on the basis of molecular dynamics simulation.
- Poisson's ratio and Young modulus are refined.
- Different orientations nanorods under axial tensile load are simulated.
- Different cross section sizes nanorods are simulated.

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