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Equation of state and some structural and dynamical properties of the confined Lennard-Jones fluid into carbon nanotube: A molecular dynamics study

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**Highlights:**

- \*Radial and axial EoSs were proposed for the confined LJ fluid into the SWCNT.
- \* Effects of the pore size, loading, and chirality were investigated on some of the properties.
- \* The EoSs were also obtained for the confined LJ fluid into double and triple walled CNTs.

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