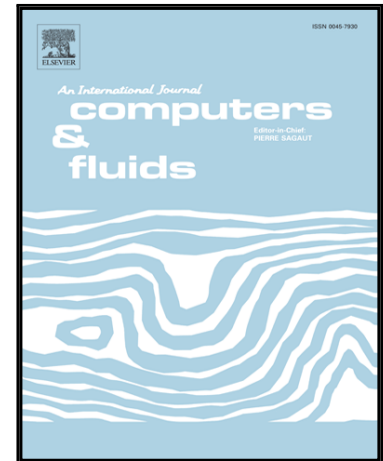


## Accepted Manuscript

Large Eddy Simulation of flow through a periodic array of urban-like obstacles using a canopy stress method

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**Highlights**

- A wall adaptive residual stress for urban roughness has been investigated.
- A canopy stress method for urban-roughness has been presented.
- The accuracy of the simulation has agreement with a conforming mesh simulation.
- Prediction of mean, variance, Reynolds stress, wall friction velocity is accurate.

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