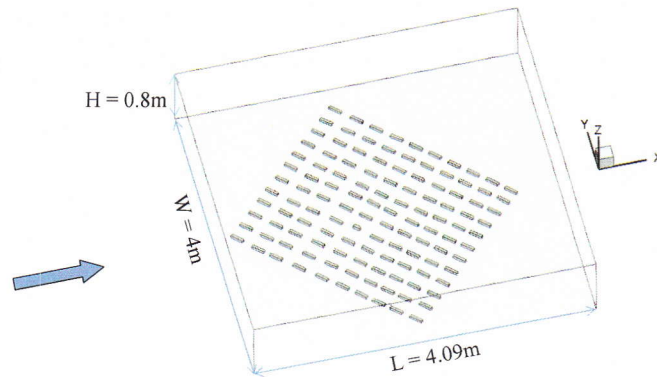


## Exercise of "Mock Urban Setting Test –MUST" -45 degree



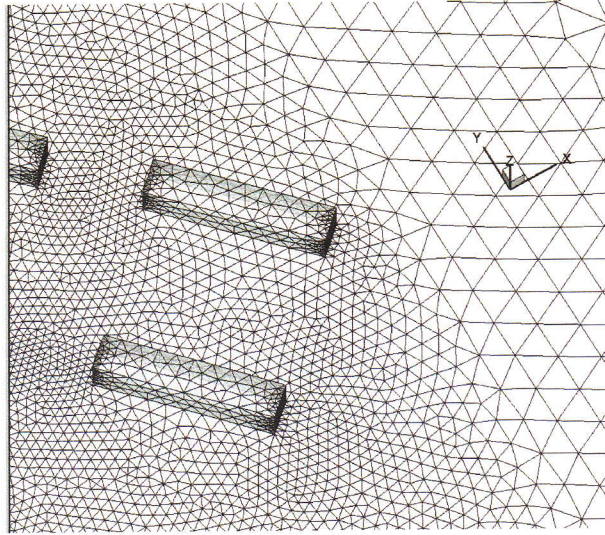
- L: 4.09m
- W: 4m the width of the wind tunnel
- H: 0.8m the height of the peak point of the approaching flow measurement is 0.692m

## Standard calculation conditions

Computational Domain	4.09m × 4m × 0.8m
Grid resolution	1,828,397 unstructured mesh
Turbulence model	Standard k- ε model
Upper and side surface of computational domain	symmetry
Building wall and ground surface	Wall function
Inlet boundary condition	Get values of U,V,W and k from the experimental approaching flow $E = C \mu^{1/2} \cdot k \cdot dU/dz$ , $C \mu = 0.09$
Outlet boundary condition	Outflow
Code	Fluent

### 3. Mesh Unstructured mesh

- Mesh of ground



Total 18  
towers  
498 points

