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## NOMENCLATURE

FPS	Frames per second
mAP	Activation map

## Greek symbols

$y$	Vector for all binary variables
$\omega$	Trainable parameter
$\phi$	solid volume fraction
$\Theta$	dimensionless temperature
$\mu$	dynamic viscosity, $\text{kg} \cdot \text{m}^{-1} \cdot \text{s}^{-1}$