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Modeling of dynamic deposition and filtration processes of airborne particles by a single fiber with a coupled lattice Boltzmann and discrete element method

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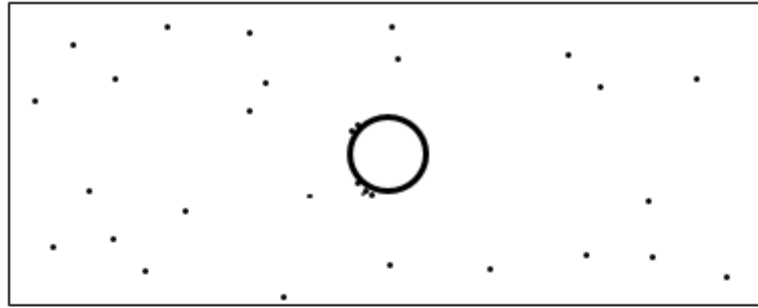
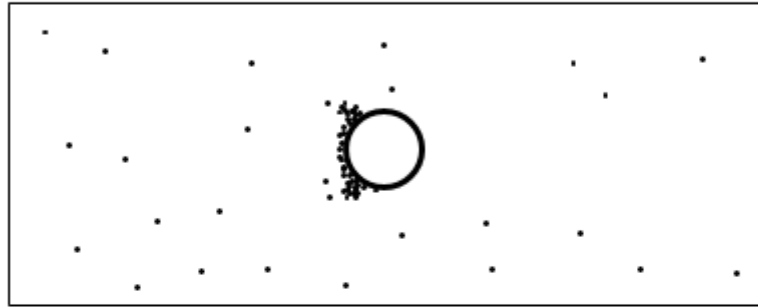
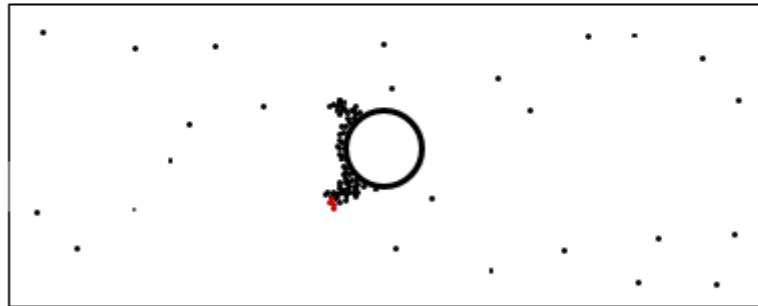
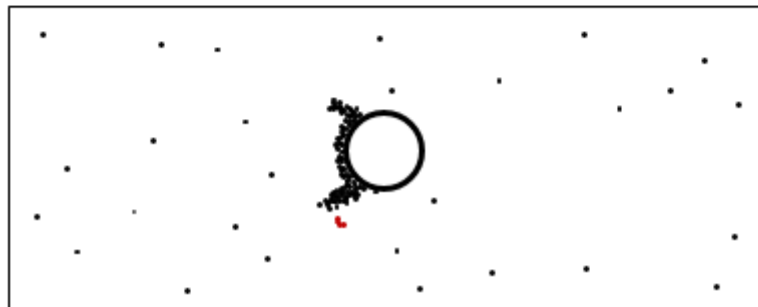
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 $\tau^* = 10$  $\tau^* = 100$  $\tau^* = 250$  $\tau^* = 350$

Modeling of dynamic particle deposition on a fiber with LBM and DEM method.

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