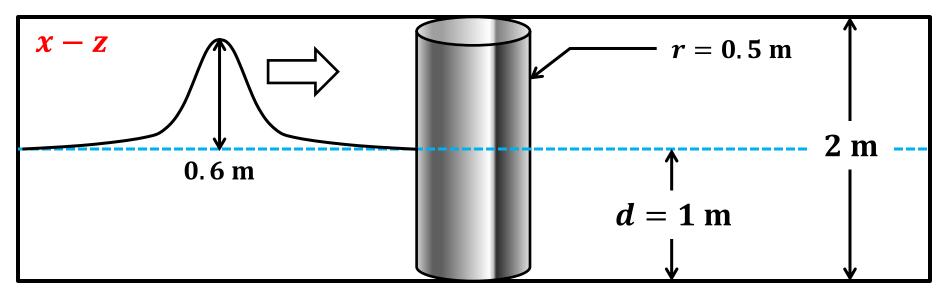
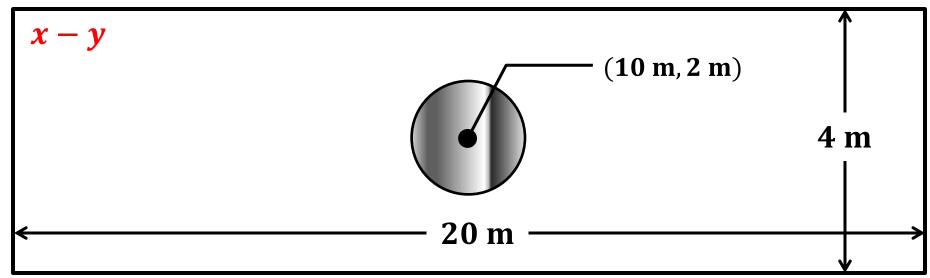
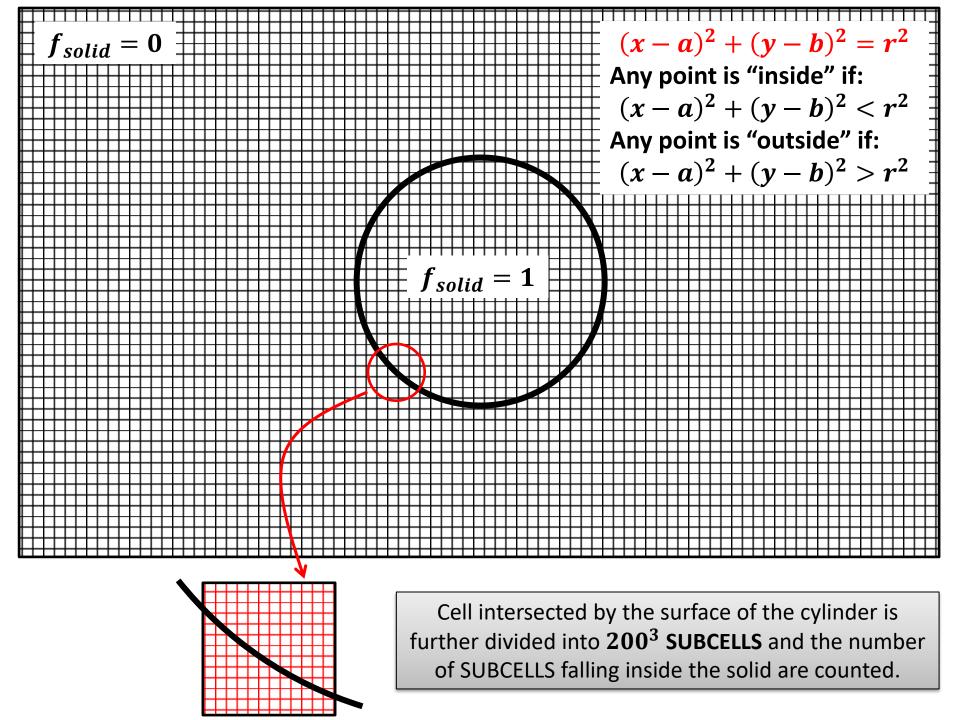
Soliton-cylinder interaction – IITM-RANS3D

NS Mesh-size planned for the simulation: $500 \times 50 \times 100 \Rightarrow \delta x = 0.04$ m







One-way "weak" coupling strategy

- FNPT mesh moves vertically whilst NS grid is fixed. $\delta x_{NS} \ll \delta x_{FNPT}$
- FNPT data queried over vertical columns spaced $0.5\delta x$ apart to account for staggering of the NS grid

