

False Diffusion

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False Diffusion

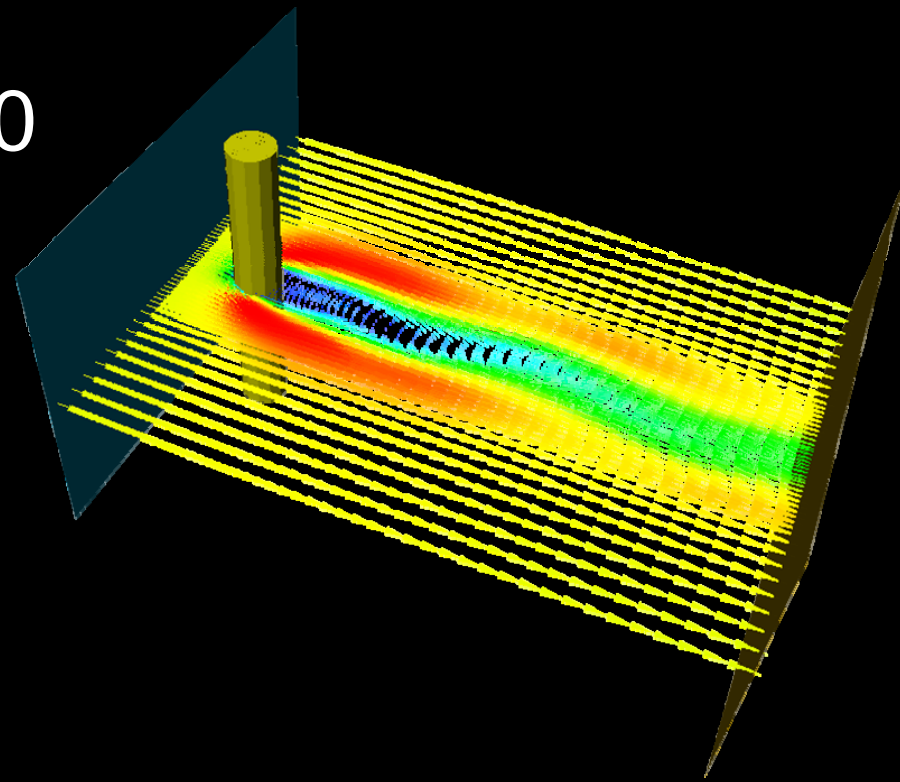
- ▶ False diffusion is consequence of upwind scheme of discretization
- ▶ Primarily occurs when flow is diagonal with respect to the grid

False Diffusion

- ▶ Effects of false diffusion can be minimised by refining the grid

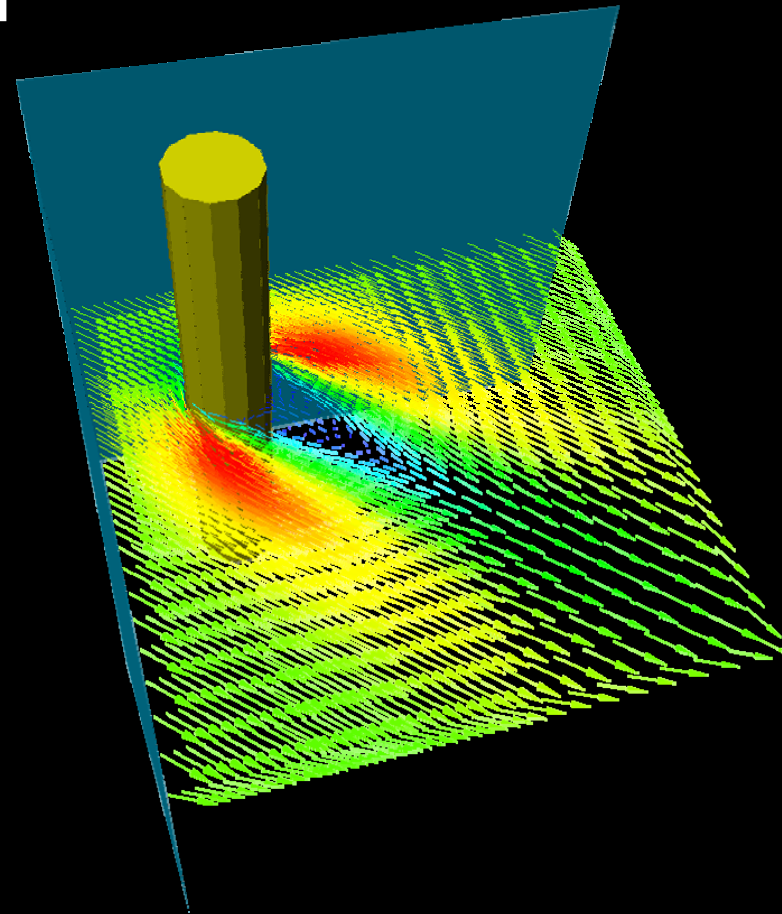
False Diffusion

- ▶ Flow Over a Fixed T Cylinder, Laminar $Re=100$



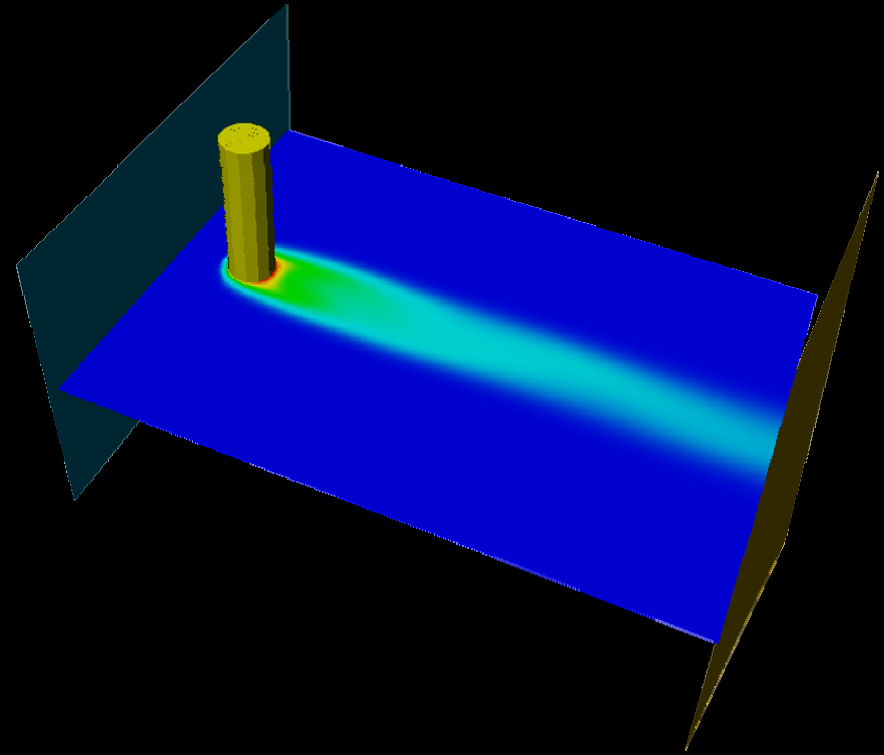
False Diffusion

- ▶ Flow Over a Fixed T Cylinder, Laminar $Re=100$



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