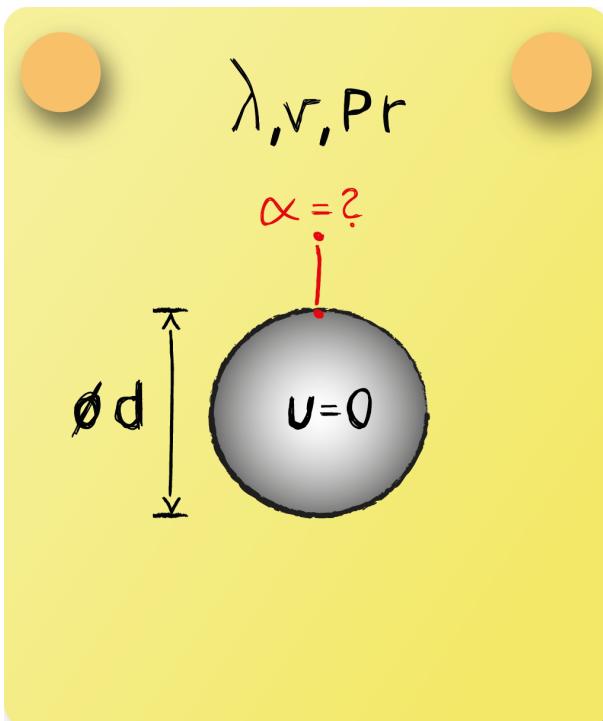


Heat Transfer Correlation: Task 12



The image describes a sphere with diameter d in a non-moving fluid.

1



Since the sphere has no velocity the Nusselt number is
 $\overline{Nu_d} = 2$ with HTC.11

2



$\bar{\alpha} = 12.1:0.256 \quad | 12.2:5.016 \quad | 12.3:11.22 \quad | 12.4:126.20$
 $| 12.5:23.20$