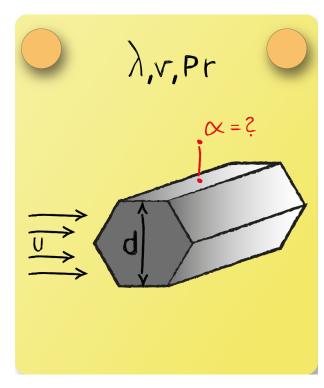


Heat Transfer Correlation: Task 9



The image describes a hexagonal bar which is flowed transversely on one edge by a fluid with velocity u.



HTC.9d: $\overline{Nu_d}=\frac{\overline{\alpha}d}{\lambda}=C\cdot Re_d^mPr^{0.4}$ with C=0.153, m=0.638 and $Re_d=\frac{ud}{\nu}$



Results: $Re_d = 12600 \ \overline{Nu_d} = 84.28 \ \overline{\alpha} = 7.30$