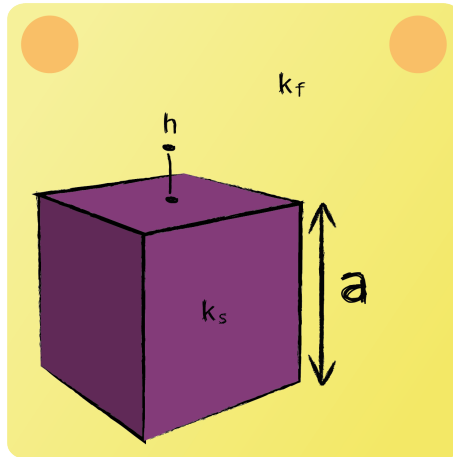


Lecture 06 - Characteristic Length

04

Give an expression for the characteristic length L_c , for a cube subjected to convection.



The characteristic length of a cube:

$$L_c = \frac{V}{A_s} = \frac{a^3}{6a^2} = \frac{a}{6}$$