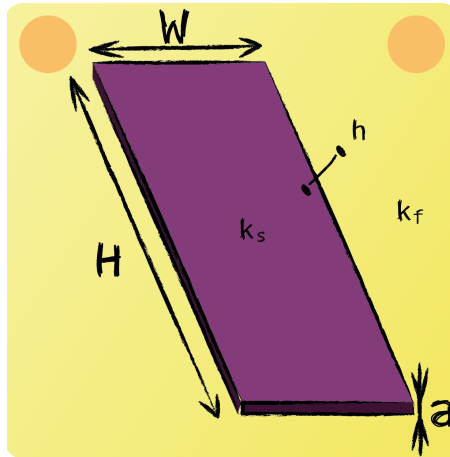# Lecture 06 - Characteristic Length 01

Give an expression for the characteristic length L_{c}, for a flat plate subjected to convection.

The characteristic length of a flat plate.

$$L_{\mathrm{c}} = \frac{V}{A_{\mathrm{s}}} = \frac{WHa}{2WH} = \frac{a}{2}$$