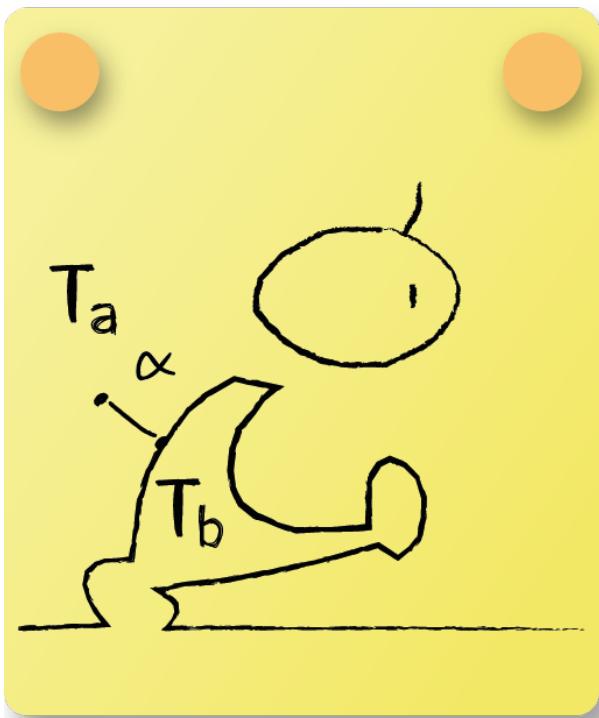


Lecture 6 - Question 4



A person is walking in non moving air. Determine the rate of heat loss.



The heat loss is governed by convective heat transfer and formulates as:

$$\dot{Q} = \alpha A(T_{\text{body}} - T_{\text{air}})$$