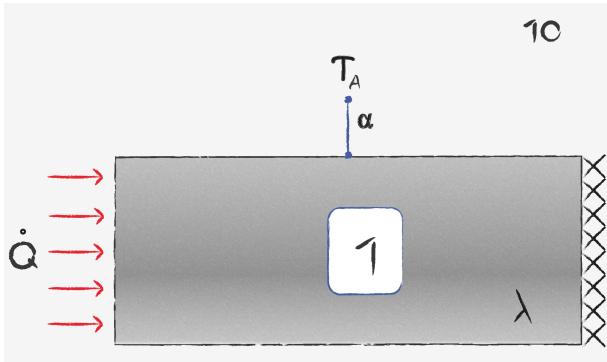


Heat Conduction: Task 10



The image describes a rectangular body with a heat flux from left to right, an adiabatic wall on the right side, and heat loss through convection.

1



Due to the heat loss through convection , the temperature gradient decreases from left to right and to meet the condition on the adiabatic wall (no heat transport), the temperature gradient must be zero on the wall.