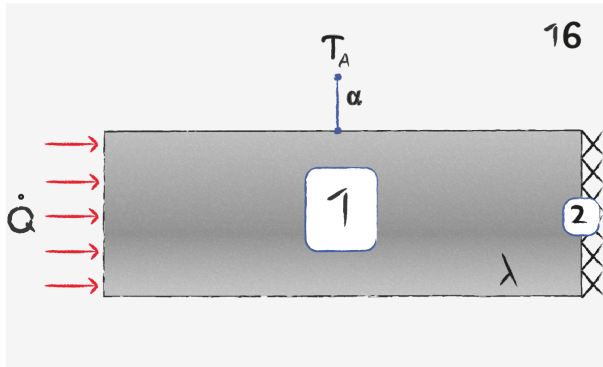




Heat Conduction: Task 16



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

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.

2



On an adiabatic wall there is no heat transport so the temperature gradient is zero.