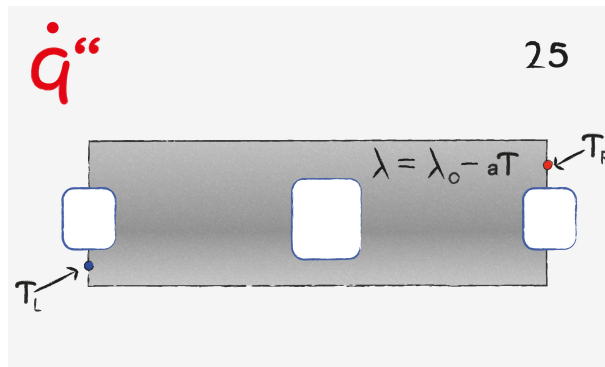




Axial Heat Flux: Task 25



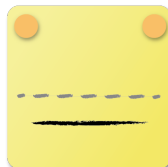
The image describes a rectangular body with heat conductivity decreasing linearly from right to left and maximum temperature on the right side.

1



Higher temperature on the body's right side indicates heat flow towards the left, which leads a negative heat flux.

2



Constant cross section causes a constant specific heat flux. Change in thermal conductivity is without effect in this regard.

3



Since heat is conducted from right to left, the heat flux on the right boundary is still negative.