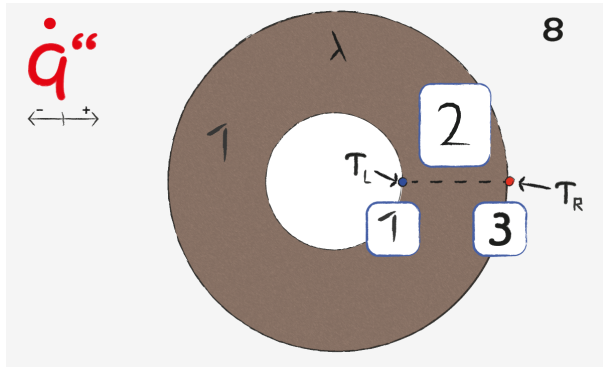


Axial Heat Flux: Task 8



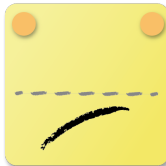
The image describes a hollow cylindrical body of infinite extension. The highest temperature is at the outer boundary.

1



Due to higher temperature at the right, heat is conducted to the left, which results in a negative heat flux.

2



Linear increase of area leads to a decrease of specific heat flux proportional to $\frac{1}{r}$.

3

