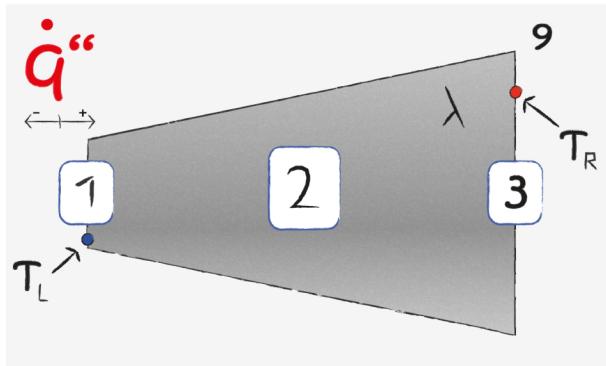


Axial Heat Flux: Task 9



The image describes a body whose area increases linearly from left to right. The highest temperature is on the right side.



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 $\frac{1}{r}$.

