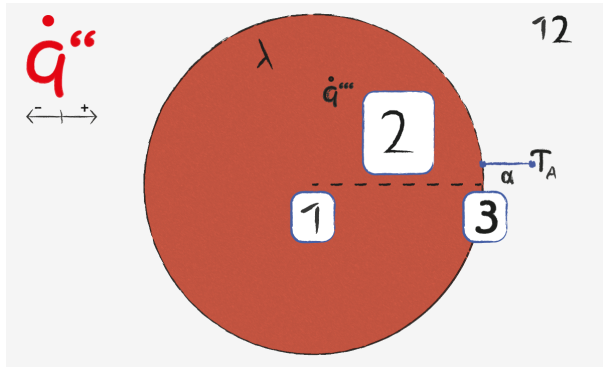


Axial Heat Flux: Task 12



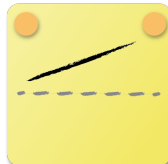
The image describes a cylindrical body of infinite extension which contains a volumetric heat source.

1



For symmetry reasons the specific heat flux equals zero at the center.

2



The volumetric heat source causes the specific heat flux to increase linearly.

3



Linear increase continues to the convective wall.