

Dirichlet-Boundary-Condition,
Tb ->
results in
nflux\_ht

the tube with a cross section area of  $A_t=Pi/4*D^2$  and a perimeter of U=Pi\*D is simplified as a line in a 1D geometry

nflux\_ht/A<sub>t</sub> is set up as an inner source and sink

therefore nflux\_ht has to be integrated over U for the length z<sub>t</sub>