NODE

$\overset{\circ}{q} \longrightarrow \quad \bullet \quad \overset{\circ}{q} \longleftarrow$

prev. node   next node

<u>NODE 1</u>

$\overset{\circ}{q}_2 = \overset{\circ}{g}''' \cdot V = 0$

$(i-1) \quad\quad i \quad\quad (i+1)$

$\frac{\partial x}{2}$ $\frac{\Delta x}{2}$

∂x

$\overset{\circ}{q}_2 = \kappa A \frac{dT}{dx}$

$\overset{\circ}{q}_2 = \frac{T_2 - T_1}{R}$

node i:

$\overset{a}{q}_{i+1} = \kappa \, 2\pi \left(r_i + \frac{dr}{2} \right) \frac{\left(T_{i+1} - T_i \right) \cdot L}{dr}$