

## Outgoing Radiation

Grey body  
surface  
radiation

Radiant energy,  $\dot{q}_k^{in}$ ,  
from all sources  
reflected at surface k

$$A_k \sigma \varepsilon_k T_k^4$$

$$(1 - \varepsilon_k) \dot{q}_k^{in}$$

Surface k

## Incoming Radiation

Radiant energy,  $\dot{q}_k^{in}$ , from all  
sources incident at surface k

$$\dot{q}_k^{in}$$

Radiant energy required  
for steady state

$$- A_k \dot{q}_{r,k}''$$

