

Radiative Transfer in Vacuum (1 FILM)

Outgoing radiative flux at level 2:

$$R_{o,2} = \tau \sigma T_0^4 + \beta \sigma T_L^4 + \alpha \sigma T_L^4$$

Incoming radiative flux at level 0:

$$R_{i,0} = \alpha \sigma T_0^4 + \beta \sigma T_L^4 + \tau \sigma T_L^4$$

Film Optics

α Reflection

β Absorption

τ Transmission

