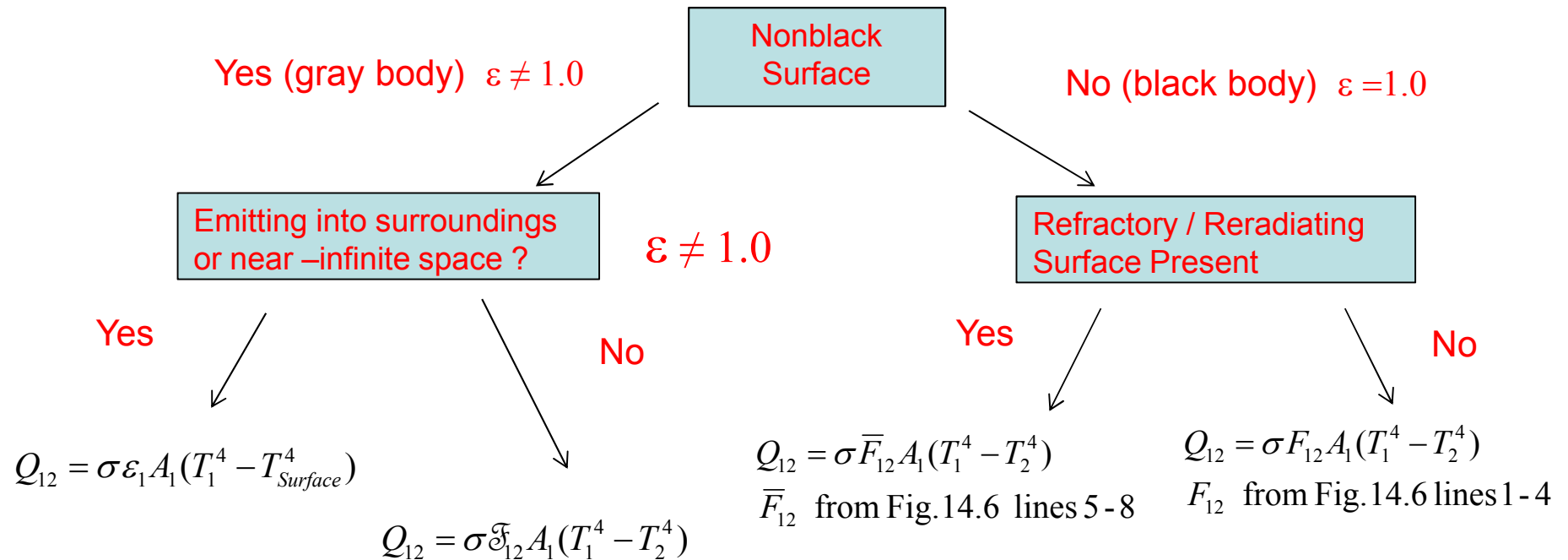


Radiation Calculation Decision Tree



$$\mathcal{F}_{12} = \left[\frac{1}{\varepsilon_1} + \frac{1}{\varepsilon_2} - 1 \right]^{-1} \text{ for large parallel surfaces}$$

$$\mathcal{F}_{12} = \left[\frac{1}{\varepsilon_1} + \frac{A_1}{A_2} \left(\frac{1}{\varepsilon_2} - 1 \right) \right]^{-1} \text{ one gray surface surrounded by another}$$

$$\mathcal{F}_{12} = \left[\frac{1}{\bar{F}_{12}} + \frac{1}{\varepsilon_1} - 1 + \frac{A_1}{A_2} \left(\frac{1}{\varepsilon_2} - 1 \right) \right]^{-1} \text{ everything else}$$

