Last time

Ez-1 Tz

absorping l'emitte l'isotropic skatlej.

$$\frac{dI_{\eta}}{dI_{\eta}} = -I_{\eta} + I_{b\eta}$$

$$Z_{\eta} = \frac{z \, \mathbf{k}_{\alpha \gamma}}{\cos 0} - \frac{3}{M}, \quad M = \cos 0$$

$$I_{\eta}^{-}(3,\mu) = I_{\eta b 2} e^{\frac{3^{-3}}{M}} + \int_{\tau_{L}}^{\tau} I_{b \eta}(3') e^{\frac{3^{-3}}{M}} \frac{d3'}{M}$$

If isotropic scattering

$$\frac{dI_{\eta}}{dI_{\eta}} = -I_{\eta} + (+\omega_{\eta})J_{\theta\eta} + \omega_{\eta} \int_{\pi} I(\Omega')d\Omega'$$

$$\int_{\Omega} \frac{dI}{d3!} d\Omega = -\int I_{1} d32^{4} + (+\omega_{1}) I_{0} 4\pi + \omega_{0} \int I(\Omega') d\Omega'$$

$$\begin{array}{rcl}
\text{flux} & = (+\omega_{\eta}) \left[+2J_{0\eta} - \int J_{\eta} d\Omega \right] \\
\text{flux} & \text{ot equilibrate} = 0
\end{array}$$

$$\frac{dI\eta}{d\eta} = -I_{\eta} + I_{\theta\eta}$$

$$\frac{19/2}{\frac{1}{2}} = \int_{0}^{\infty} d\Lambda \int_{4Z} J_{\Lambda} \cos \theta \, d\Omega$$

$$= \int_{0}^{\infty} d\Lambda \int_{2Z}^{2Z} dg \int_{0}^{\infty} J_{\Lambda} \cos \theta \, \sin \theta \, d\theta$$

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$$+ \int_{0}^{\infty} J_{\Lambda} (\mu, Z) d\mu \, d\theta \int_{0}^{\infty} J_{\Lambda} (\mu, Z) \mu \, d\mu \int_{0}^{\infty} J_{\Lambda} (\mu, Z) \mu \, d\mu$$

$$= \int_{0}^{\infty} \int_{0}^{2Z} dg \int_{0}^{\infty} J_{\Lambda} \, \mu \, d\mu + \int_{0}^{\infty} J_{\Lambda} (\mu, Z) \mu \, d\mu$$

$$= \int_{0}^{\infty} \int_{0}^{2Z} Jg \int_{0}^{\infty} J_{\Lambda} \, \mu \, d\mu + \int_{0}^{\infty} J_{\Lambda} (\mu, Z) \mu \, d\mu$$

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$$= \int_{0}^{\infty} J_{\Lambda} \, \mu$$

Made in U.S.A.

Gray medin 7 = 2/ Ib1 E3 (T) - 2/ Ib2 E3 (Tg-T) +2/2 Jo Iba (Z') Ez (T- Z') dZ' - 2/2 Jon(Z') Ez (Z') DdZ' If no conducti GCT) = constant TOO EDECT) + ED (C) + So ED E, (C-Z') DE' + So ED E, (T'-Z) dZ (5) Temperature distribute can be determined we have eliminated IZ in the equation. same as what you Seferia discreties numerically $\Phi_{b}(\tau) = \frac{T^{4}(\tau) - \overline{L}^{4}}{T_{1}^{4} - T_{2}^{4}}, \quad \Psi_{b}^{-} = \frac{\mathcal{E}}{\sigma \cdot \overline{l}_{1}^{4} - \overline{l}_{2}^{4}}$ Φ(T)= + [E(T)+ Sol Φ(T') E(T-T')) dz'] \$ =1-2 \(\sigma_{\infty} \frac{1}{2} \text{gg} \text{E}_{\infty} (\text{e}) dz'

discussion

$$\int_{1}^{4} \frac{u(u)u(u)}{T_{1}} T_{1}$$

$$\int_{1}^{4} \frac{T_{1}^{4} + T_{2}^{4}}{2} T_{2}$$

we assumed molewles absorb, re-emit. really nonequilibi

$$7 = C: \qquad \hat{f} = \frac{\mathcal{E}_{1}}{1 - \mathcal{E}_{1}} (5T_{1}^{4} - J_{1})$$

$$7 = T_{L}: \qquad -\hat{f} = \frac{\mathcal{E}_{2}}{1 - \mathcal{E}_{2}} (3T_{2}^{4} - J_{2})$$

$$\Rightarrow \qquad \hat{f}(z) = \frac{T^{4}(z) - t^{4}}{T_{1}^{4} - T_{2}^{4}} = \frac{\Phi_{b}(z) + (t^{2}_{2} - t^{2}) + (t^{2}_{2} - t^{2})}{1 + \mathcal{V}_{b}(t^{2}_{1} + t^{2}_{2} - t^{2})}$$

$$\mathcal{V} = \frac{\hat{f}}{\sigma(T_{1} + T_{2}^{4})} = \frac{\mathcal{V}_{b}}{1 + \mathcal{V}_{b}(t^{2}_{1} + t^{2}_{2} - t^{2})}$$

O existence of molecules;

ale surby & entity assumption