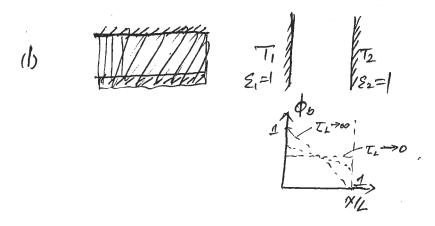
Review of last leafure



(2) approximate solutions

 $T_L \ll \phi$ optically think $T_L \gg 1$ optically think $\mu \frac{dI_\eta}{d3} = -I_\eta + I_{\delta\eta}$

linear expans.

but simply replace derivative form by $\frac{dJ_0}{d\xi} \approx \frac{dJ_{00}}{d\xi}$ $I_0 = I_{00} - \mu \frac{dJ_{00}}{d\xi}$

 $\begin{array}{lll}
9 &= \int_{0}^{\infty} d\eta & \int_{4X}^{2X} I_{\eta} \cos \theta \, d\Omega \\
&= \int_{0}^{\infty} d\eta & \int_{0}^{2X} d\theta & \int_{0}^{\infty} I \int_{0}^{2} -\cos \theta \, d\theta \\
&= \int_{0}^{\infty} d\eta & \int_{0}^{2X} d\theta & \int_{0}^{\infty} I \int_{0}^{2} -\cos \theta \, d\theta \\
&= \int_{0}^{\infty} d\eta & \int_{0}^{2X} d\theta & \int_{0}^{\infty} I \int_{0}^{2} -\cos \theta \, d\theta \\
&= -\frac{4\chi}{3} & \int_{0}^{\infty} \frac{dJ_{\eta \eta}}{d\xi} &= -\frac{4\eta}{3} \frac{de_{t}}{d\xi} &= -\frac{4}{3ke} \frac{de_{t}}{d\chi} \\
&= -\frac{c}{3ke} & \frac{dU_{b}}{d\chi} &= -\frac{c}{3ke} & \frac{dU_{b}}{d\chi} &= -\frac{1}{3}cv \frac{1}{ke} \frac{dT}{d\chi}
\end{array}$

Appreximate Solutiono:

T_ < 0 1 optically thin

72>>1 optically think:

$$\mu \frac{dJ_{\eta}}{dS} = -J_{\eta} + J_{b\eta}$$

linear $I_{\eta} = I_{b\eta} + \beta \frac{dI_{b\eta}}{dS} + \cdots$

Sot order soluti B=M

In = Iby + M. d Iby

d 3.

$$= -\frac{47}{3} \frac{1}{3} \frac{dJb}{d3} = -\frac{1}{3} \frac{d}{dz} = -\frac{1}{3} \frac{d}{dz} = -\frac{1}{3} \frac{d}{dz} \frac{d}{dz} = -\frac{1}{3} \frac{d}{dz} \frac{d}{dz} \frac{d}{dz} \frac{d}{dz} \frac{d}{dz}$$

$$= -\frac{40}{3ke} \frac{d(674)}{dz} = -\frac{CEv.dT}{3ke} \frac{dz}{dz}$$

energy denty

silija Pija

\$ = - 41 VIb - Rosseland diffusi approximati.

Boundary Conditions:

Diffin approximat right to the wall

Intaiflux leavy wall: I= & Ibw + I (+E)

7= 50 dg [50 It ndn-50 I (-m) du]

= 22 [2. \frac{1}{2} Jon \frac{1}{2} S \frac{1}{2} [-modn]

I = (N) = Ibo) n dIb

9=20 € Ebw + 8 2 T [½ Ib(0) - 1 d]

9= 2 [Ebw-Eb10] + 26

q = [Ebw-Eb(0)]

 $f(L) = \frac{E_b(L) - E_b \omega^2}{\frac{1}{2} - \frac{1}{2}}$

If indializable g= andard

 $E_b(0) - E_b(4) = \frac{3keL}{4}g$

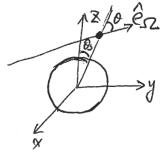
8= EbW,-EbW2

3++37L

(1) hidrer order expon

Spherical & Glindrical Coordinates.

$$\frac{dI_n}{ds} = \hat{e}_{s} \nabla_r I_n + m I_n$$

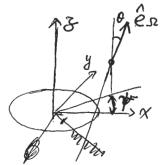


$$\mu = \cos 0$$

$$\mu \frac{dI_0}{dZ} + \frac{1-\mu^2}{Z} \frac{dI_0}{d\mu} = S_0 - I_0$$

Local

Glindrical Coordinate:



Diffina approximate 2I, 27, 27, 22, 24.

21/2

Numerical Solution; Discrete Ordinate Method

$$f = \int_{42}^{42} I \cos d\Omega \int_{42}^{42} \int_{3}^{42} I \int_{3}^{42} I \int_{42}^{42} I \int_{3}^{42} I$$