$$G_{n} = \frac{2}{L} \int_{0}^{L} \frac{dE}{dx} \chi \sin(\frac{mx}{Lx}) dx + \frac{2}{L} \int_{0}^{L} \frac{(E-A)}{L} \sin(\frac{mx}{L}) dx$$

$$= \frac{-2(B-A)}{L^2} \left\{ \frac{L}{n\pi} \left[-L \cos(n\pi) \right] + \left(\frac{L}{n\pi} \right)^2 \cdot \sin(n\pi) \right\}$$

$$+\frac{2}{L}(k-A)(\frac{-L}{h\pi})[\cos(h\pi)-1]$$
; $\cos(h\pi)=(-1)^{n}$

$$= \frac{2(B-A)}{h\pi} (-1)^{h} + \frac{2(k-A)}{h\pi} [1-(-1)^{h}]$$

$$= \frac{2(k-A)}{h\pi} + \frac{2}{h\pi}(1)^{h}(B-k) \stackrel{1}{=} \frac{2}{h\pi}[(k-A)-(-1)^{h}(k-B)]$$

I(t)=
$$\int dI(x,t)dx$$
 $JI(x,t) = e^{-intensity}$ from depth x

NAN PAO

=> Homogeneous Pirishlet bounday condition

Greneral sol.

Greneral sol.

$$(x_1, x_2) = (x_1, x_2) + A + \sum_{n=1}^{\infty} C_n \sin(\frac{n\pi}{L}x) + \sum_{n=1}^{\infty} C_n \cos(\frac{n\pi}{L}x) + \sum_{n=1}^{\infty} C_n \cos(\frac{n\pi}{L}x) + \sum_{n=1}^{\infty} C_n \cos(\frac{n\pi}{L}x) + \sum_{n=1}^{\infty} C_n \cos(\frac{n\pi}{L}x) +$$

