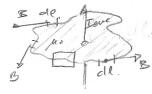
G. I. Boundary Value Dervation.

- aircut flowing out of the page



Jeogla Sous - PBRe = $\int BRe + \int BRe + \int BRe$ Z d B2 as Ay > 0 $\int BR = \int BRe + \int BRe$ as Ag >0 & Bd = \Bite + \Bell Bal.

 $\Rightarrow \int_{\mathcal{B}} \mathcal{B} de + \int_{\mathcal{D}} \mathcal{B} de = \mathcal{B}_{1}(-\Delta_{x})\hat{t} + \mathcal{B}_{2}(\Delta_{x})\hat{t} = (\mathcal{B}_{2} - \mathcal{B}_{1})\Delta_{x}\hat{t}$

and Fence as JAx (êxî)

 $(B_2 - B_1) / \hat{t} = J / \hat{x} (\hat{x} \times \hat{n})$

 $J=0 \Rightarrow 7 \times B=0$ $If J=0 \Rightarrow B_{22} = B_{21}$ $B_{22} = B_{21}$

from be fore. - 1 B, a

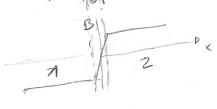
so as we go around they cannot set, but in our case for J=0

V(a) - V(b) +0

B | de = V(a) - V(b) =0 B= - VY

(B2-B1) = V(nx)

if there is a current morned to n, hen Mere is a discourtments



 $\hat{n} \times (B_2 - B_1) = \hat{n} \times \hat{n} \times \hat{J} = -\hat{J}$

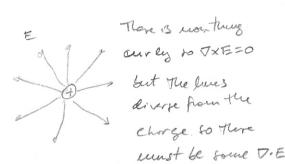
2 × (B1.-B2) = J

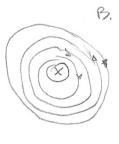
as or -10 Area of top and Loton = AS

1
$$\frac{\hat{n}}{A \otimes B_1}$$
 = 0 \hat{n} B_1 A_2 + $(-\hat{n})$ B_2 A_3 = 0 as A_3 decomes meglegible.
 $\frac{\hat{n}}{A \otimes B_2}$ $\frac{\hat{n}}{A \otimes B_2}$ $\frac{\hat{n}}{A \otimes B_2}$ $\frac{\hat{n}}{A \otimes B_2}$ = 0

and the evoued component of B across sounders is continuos

From the grapulal pount of oron.





The lives go around in credis.

The lives go around in credis.

Also the lines "curl "around do there must be TXB