9 Theirs Eys an 2. Egribo 8 In Sham XZ2 = 421 = A 22 V2 2x 2=  $\sqrt{x} = A \left[ \frac{3x(z+c)}{R_2^5} \right]$ if Z=0  $\hat{x}_{t}=A 3xc$   $(x^2+y^2+c^2)^5/2$ stren in y my 2: > Equation 7 a.  $y_{\overline{z}_2} = A \left[ \frac{3y(z+c)}{R_2^5} \right]$ If Z=0 Y=2= A = 3 Y = 0  $(x^2 + y^2 + c^2)^{5/2}$ Egulo 76

5 Tras Ley Ten 2 (10) Let's vorify the condition XZ/+ XZZ/= 0 if=>2=0  $\hat{X}_{\overline{z}_1} = -\frac{A}{3} \times C$ XZ1 2=0 = - A 3xc  $[x^2 + y^2 + (-c)^2]^{\frac{5}{2}}$  $(x^2 + y^2 + c^2)^{\frac{5}{2}}$ thus (XZ1 + XZ2 = 0.) The Same occurs to the condition

(421 + 421 = 0) if z=0.  $|y_{t_1}| = -A 3yc - A 3yc$   $= \frac{A 3yc}{R_1^5} = \frac{A 3yc}{(x_0^2 + y^2 + (-c)^2)^5/2} = \frac{A 3yc}{[x^2 + y^2 + c^2]^2}$ 

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Who is the strong ZZZ (11)WL Kman tna7. 22, - 22, = 0. if 2=0  $\overline{22}_1 = A \left[ \frac{1}{R_1^3} + 3 \frac{(z-c)^2}{R_1^5} \right] eq 6c$  in Sham  $\frac{2^{2}z_{1}}{\left[x^{2}+y^{2}+(z-c)^{2}\right]^{3/2}}+\frac{3(z-c)^{2}}{\left[x^{2}+y^{2}+(z-c)^{2}\right]^{3/2}}$ if z=0 we have  $\frac{27}{27} = A \left[ \frac{-1}{(x^2 + y^2 + c^2)^{3/2}} + \frac{3c^2}{[x^2 y^2 + c^2]^{5/2}} \right]$ To salis for 27, + 77, =0 1m 7=0.  $\left|\frac{272}{2=0}\right| = A \left|\frac{+1}{(x^2+y^2+c^2)^{3/2}}\right| = \frac{3c^2}{(x^2+y^2+c^2)^{5/2}}$ Shanen Said that 7c is sales for  $\frac{27}{272} = -A \frac{2}{272}$ 

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Lit's check equation  $771 = -A \frac{\partial^2 V_2}{\partial z^2}$ if it is corect stro this relationship 271+ ZZ2 = 0 . if Z = 0  $\frac{2}{27} = -A \frac{3^2}{27} V_2 = -A \frac{3}{27} \frac{3}{27} \frac{1}{R_2}$  $\frac{2}{2t} \frac{1}{R_2} = \frac{2}{2t} \frac{1}{(x^2 + y^2 + (z+c)^2)^{1/2}}$  $\frac{2}{52}\frac{1}{R_1} = -\frac{1}{2}(x^2+y^2+(2+c)^2)^{-3/2}$  2(z+c) $\frac{3}{37} = \frac{-(Z+C)}{(x^2+y^2+(Z+C)^2)^{.3/2}} = \frac{-(Z+C)}{R_2^3}$  $\frac{\partial}{\partial z} \left( \frac{1}{2} \right) = \frac{\partial}{\partial z} \frac{-(z+c)}{(x^2+y^2+(z+c)^2)^{3/2}}$  $= \frac{1}{2} - (2+c) \left[ x^2 + y^2 + (2+c)^2 \right]^{-3/2}$  $= -1\left[x^{2}+y^{2}+(7+c)^{2}\right]^{-3/2}+\left[-(2+c)\right]\left(-\frac{3}{2}\right)\left[x^{2}+y^{2}+(7+c)^{2}\right]^{-5/2}$  $22V_2 = -1$  +  $3(2+c)^2$   $R_2^3$   $R_2^5$ 

According to equification (13)

$$\frac{2}{7} = -A \left[ \frac{1}{R_{3}^{3}} + \frac{3}{2} \left( \frac{2+c}{2} \right)^{2} \right]$$

$$\frac{2}{7} = -A \left[ \frac{1}{R_{3}^{3}} + \frac{3}{2} \left( \frac{2+c}{2} \right)^{2} \right]$$

$$\frac{2}{7} = A \left[ \frac{1}{R_{3}^{3}} + \frac{3}{2} \left( \frac{2+c}{2} \right)^{2} \right]$$

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$$\frac{2}{7} = A \left[ \frac{1}{R_{3}^{3}} + \frac{3}$$

Eguilibru egalio. (14) Or = XXr + g'yr + ZZr Vri, Yrz 4r3 are hamonic function  $|\Theta_2 = \widehat{X}\widehat{X}_2 + \widehat{y}\widehat{y}_2 + \widehat{z}\widehat{z}_2|$ From egator 2 we have  $\frac{\partial Q_R}{\partial z} = \frac{\partial Q_2}{\partial t} = 2(1+G) \left[ \frac{\partial Q_2}{\partial x} + \frac{\partial Q_2}{\partial y} + \frac{\partial Q_2}{\partial z} \right]$  $421 = A \frac{2^{\alpha} V_2}{2 \times 27}$ 422 = A 22 V2 24 22 Y23 = - A 2 V2  $\frac{\partial \Theta_2}{\partial \tau} = 2(1+C^2)A^{\frac{1}{2}} \frac{\partial^2 V_2}{\partial x} + \frac{\partial^2 V_2}{\partial y^2 \partial y^2} + \frac{\partial^2 V_2}{\partial y^2 \partial y^2} + \frac{\partial^2 V_2}{\partial y^2 \partial y^2}$ 

Equation (2) in Tharman (15) can be rewitter as it R=2 302 = 2 A (1+6) \ \frac{\partial \frac{\partial \partial  $\int \frac{\partial \theta_2}{\partial z} dz = 2 A(1+6) \left( \frac{\partial}{\partial z} \frac{\partial^2}{\partial x^2} V_2 dx \right) \left( \frac{\partial}{\partial z} \frac{\partial^2}{\partial x^2} V_2 dx \right) \left( \frac{\partial}{\partial z} \frac{\partial^2}{\partial z} V_2 dx \right) \left( \frac{\partial}{\partial z} \frac{\partial}{\partial z} V_2 dx \right) \left( \frac{\partial}{\partial z} V_2 dx \right) \left( \frac{\partial}{\partial z} \frac{\partial}{\partial z} V_2 dx \right) \left( \frac{\partial}{\partial z}$  $\sigma_2 = 24(1+6) \left( \frac{\partial^2 V_2}{\partial x^2} + \frac{\partial^2 V_2}{\partial y^2} \right) = \frac{\partial^2 V_2}{\partial y^2} \left( \frac{\partial^2 V_2}{\partial y^2} \right)$ Laplan Equito (32 V2 + 32 VL + 2 V2 = 0

1 211 22 V2 - 32 V2  $\frac{\partial^2 V_1}{\partial x^2} + \frac{\partial^2 V_2}{\partial y^2} = \frac{\partial^2 V_2}{\partial z^2}$  $\Theta_2 = 2A\left(1+G\right) - \frac{\partial^2 V_2}{\partial^2 t}$  $\Theta_{2} = 2A(1+6) \left\{ -2\left\{ \frac{3^{2}V_{2}}{\partial^{2}t} \right\} \right\}$ (02 = -4A(1+0) 22 V2

Than Equalis (3) and(1) in (16) Shanna we can calculate eq (0a)  $\begin{array}{c} \chi_{Z_2} = 2 \\ \chi_{Z_R} = -\frac{1}{2(1+6)} & \frac{2}{3} \cdot \frac{\partial \theta_R}{\partial x} + \frac{1}{4} \cdot \frac{1}{2} \\ \chi_{Z_R} = -\frac{1}{2(1+6)} & \frac{1}{3} \cdot \frac{1}{2} \end{array}$  $\widehat{X}_{22} = - \underline{I} \quad \underbrace{X}_{20} \underbrace{\partial_{X}}_{21} + \underbrace{V_{21}}_{21}$  $\frac{2}{x^2} = 2A \cdot z \cdot \frac{3^3 V_2}{\partial x \cdot \partial^2} + \frac{A \cdot \partial^2 V_2}{\partial x \cdot \partial^2}$ diference de de de ghama l'appone ex (16a)