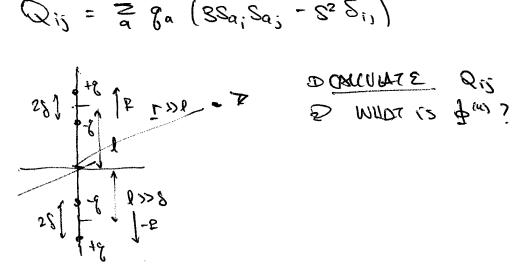
BASED ON 4M EX 2-4

$$Q_{ij} = [4^3 \underline{s} \ 9(\underline{s}) \ (3s_i s_j - s^2 S_{ij})$$



s exercise suchousm B DIPOLE VANISHES

S AM 385 MAAS

QUAD: AXIM SYMMETRY: CAN SEE THAT I ; SIEM VANISH

$$Q_{33} = 2 \frac{8}{9} \left( 3 \frac{2}{3} - \frac{8}{9} \right)^2$$
 here s is the distance from the origin to the surre, so  $8^2 = 2^2$ 

= 
$$2\frac{\pi}{a}$$
 =  $2\frac{\pi}{a}$  =  $2\frac{\pi}{a}$  =  $2\frac{\pi}{a}$  =  $2\frac{\pi}{a}$ 

$$Q_{23} = -2Q_{11} = -2Q_{23} \frac{f_1f_1}{f_3}$$

$$Q_{(1)}(1) = \frac{1}{2} \frac{f_1f_2}{f_3} Q_{13}$$

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$$Q_{(2)} = \frac{1}{2} \frac{f_1f_2}{f_3} Q_{13}$$

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$$Q_{(1)} = \frac{f_1f_3}{f_$$

$$\frac{1}{2} = \frac{1}{6r^{5}} \left( \frac{3x^{2} - r^{2}}{1 + (2y^{2} - r^{2})} \left( -\frac{1}{2}Q \right) + (2y^{2} - r^{2}) \left( -\frac{1}{2}Q \right) + (3z^{2} - r^{2}) \left( -\frac{1}{2}Q \right) \right)$$

$$= \frac{Q}{6r^{5}} \left( \frac{3}{2} 2^{2} - \frac{3}{2} r^{2} \right) = 052 \quad \frac{2}{7} r = 000$$

$$= \frac{1}{2} \frac{Q}{6r^{5}} \left( \frac{3}{2} \cos^{2}Q - \frac{1}{2} \right)$$

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