

مدرسة جيه اس اس الخاصة JSS PRIVATE SCHOOL, DUBAI

	Name:	
>	Magnetii	Field due to @ artial control Date:
		Bs PBN
	Banial	$= \frac{\vec{B}_N + \vec{B}_S}{q_m} = \frac{Hog_m q_m}{q_m}$ $= \frac{Hog_m}{q_m} (1)$
		$= \frac{\mu_{0}q_{m}}{4\pi} \left(\frac{1}{(r-L)^{2}} - \frac{1}{(r+L)^{2}} \right)$
		= Hogm (+ 2+12+2+1-12-12+2+1) ((r-1) (r+1))
		$= \frac{\text{Hogm}}{\text{MIT}} \left(\frac{\text{M9d}}{(r^2 - l^2)^2} \right)$
		$= \frac{\text{Hogmrl}}{\sqrt{\left((r^2-l^2)^2\right)^2}} = \frac{\text{Homr}}{2\sqrt{\left((r^2-l^2)^2\right)^2}}$
	4	n>>L
		Basual = Homr = Hom = Ho. 2m -0
->	Magnetic	Fuld dul to (@ equatorial
		Bret of BN E of Transport Transport Transport BN Transport T
		1 25 1 2 J 22+12

Beginatorial =
$$B_3B + B_N$$
 (Sem & vertical lamp cancelled and $= B_3 cos 0 + B_N cos 0$)

= $\frac{H_0}{V_1} \frac{q_1 m_1}{r^2 + L^2} \frac{1}{\sqrt{M}} \frac{q_2 m_1}{r^2 + L^2} \frac{1}{\sqrt{M}} \frac{q_3 m_4}{r^2 + L^2} \frac{1}{\sqrt{M}} \frac{q_4 m_4}{r^2 + L^2} \frac{1}{\sqrt{M}} \frac{$

2)