Key answer Quez 2 phys 380 Charge on a ring of radius r and thickness dr is just dg = (21Trdr) o- where $\sigma = \frac{Q}{TR^2}$ Conface charge density of the uniformly distributed charge.

d I = d = 39.00 area of the ring is $A = \Pi \Gamma^2$ 3. $dm_z = dI_0A = 2\pi r dr Q_0 \pi r^2 \omega$ J M = Q MR² W THE QUELLE RESTOR = Q (I b) = p L z (c) Total charge in the ring goes evound exactly one time in one period of its revolution $\Rightarrow I = Q = Q \omega$ $m_z = IA = Q \omega | IIR^2 = Q \omega | R^2$