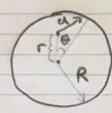
Partal:



Mass density $p = \frac{M}{arr} \Rightarrow dM = pRd\theta = \frac{M}{arr}d\theta$

$$\overline{\mathbf{J}} = \int_{-\mathbf{G}\mathbf{J}\mathbf{M}} - \frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(r^2 + R^2 - 2rRc \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^2 - 2(\frac{r}{R})c \circ s\theta)^{1/2}} = -\frac{1}{2\pi} \int_{-\mathbf{J}} \frac{1}{(1 + (\frac{r}{R})^$$

$$= -\frac{GM}{2\pi R} \int \left[1 - \frac{1}{2}a^2 + x\cos\theta\right] + \frac{3}{8} \left[a^2 - 2x\cos\theta\right]^2 + \cdots d\theta \qquad \text{(Letting } \alpha = \frac{7}{R}\text{)}$$

$$= -\frac{6M}{aRR} \left[\left[1 - \frac{1}{2} \frac{2}{x^2} + x \cos \theta + \frac{3}{8} x^4 - \frac{3}{2} \frac{3}{2} \cos \theta + \frac{3}$$