Dysk
$$\frac{dI}{dm} = \frac{dI}{dt} = \frac{\sigma \cdot r \, dr \, d\phi}{dt} = \sigma \omega \, r \, dr$$

$$\frac{dI}{dm} = \sigma \omega \, \sqrt{3} \, r^{3} \, dr$$

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$$\frac{dI}{dm} = \frac{dQ}{dr} = \frac{Q}{3\sqrt{3}R^{3}} \quad S = \sqrt{3}r^{2} = \sqrt{3}r^{2} \, r^{2} \, dr$$

$$\frac{dI}{dr} = \frac{dQ}{dr} = \frac{P^{2} \, sn\theta}{3\sqrt{7}R^{3}} \quad S = \sqrt{3}r^{2} = \sqrt{7}r^{2} \, sn^{2} \, \theta$$

$$\frac{dI}{dm} = \frac{dQ}{dr} = \frac{P^{2} \, sn\theta}{3\sqrt{7}R^{3}} \quad S = \sqrt{7}r^{2} + \sqrt{7}r^{2} \, dr$$

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$$\frac{dI}{dr} = \sqrt{7}$$

 $= \frac{4}{3}p \omega \sqrt{3} \int v' dv' = \frac{4}{3}p \omega \sqrt{3} \frac{R^{5}}{5} = \frac{4}{3} \frac{Q}{\sqrt{3}} \omega \sqrt{3} \frac{R^{3}}{5} = \frac{4}{3} \frac{Q}{\sqrt{3}} \omega \sqrt{3} \frac{Q}{\sqrt{3}} \omega \sqrt{3} \frac{Q}{\sqrt{3}} = \frac{4}{3} \frac{Q}{\sqrt{3}} \omega \sqrt{3} \frac{Q}{\sqrt{3}} \frac{Q}{\sqrt{3}} \omega \sqrt{3} \frac{3$