$$= \frac{1}{2} \left( \frac{A \sin \theta}{B(1 - \cos \theta)} \right)^{2} - A^{2}$$

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$$\frac{1}{2} \frac{A^2 \sin^2 \theta}{R^2 (1 - \omega_0 + \theta)^2} = \frac{A^2}{R^2 (1 - \omega_0 + \theta)}.$$

$$= \frac{A^2}{B^2} \left( \frac{1}{2} \left( \frac{1 - (0.5^2 6)}{1 - (0.5^2 6)} - \frac{1}{1 - (0.5^2 6)} \right) \right)$$

$$= A^{2} \left( \frac{(1+\omega s 6) - 2}{28^{2}} \right)$$

$$= -A^2 = -GM = -|E|$$
.