$$E_{rr} = -\frac{12G}{r^5} Q \left(3\cos^2(\theta) - 1\right)$$

$$E_{r\theta} = -\frac{24G}{r^5} Q \sin(\theta) \cos(\theta)$$

$$E_{\theta\theta} = \frac{3G}{r^5} Q \left(-\sin^2(\theta) + 6\cos^2(\theta) - 2\right)$$

$$(5)$$

$$(6)$$