$$e_{M}^{(0)} = \sqrt{\frac{\Delta}{\Sigma}} \left( dt - a \sin^{2}\theta d\phi \right)$$

$$e_{M}^{(1)} = \sqrt{\frac{\Sigma}{\Delta}} dr$$

$$e_{M}^{(2)} = \sqrt{\frac{\Sigma}{\Delta}} d\theta$$

$$e_{M}^{(3)} = \frac{\sin \theta}{\sqrt{\Sigma}} \left[ -a dt + (c^{2} + a^{2}) d\phi \right]$$

$$\Delta = x^{1} + a^{1} - 2G(x)Mx$$

$$\Sigma = x^{1} + a^{1}C_{03}^{1}\Theta$$

$$G(x) = \frac{G_{0}x^{3}}{x^{3} + \widetilde{\omega}G_{0}(x + xG_{0}M)}$$

## PROOF:

$$300 = -\sqrt{\frac{\Delta}{\Sigma}}\sqrt{\frac{\Delta}{\Sigma}} + \left(-\frac{a \sin \theta}{\sqrt{\Sigma}}\right)\left(-\frac{a \sin \theta}{\sqrt{\Sigma}}\right)$$

$$3 \circ \circ = - \frac{\Delta}{\Sigma} + \frac{a^{1} \operatorname{Sm}^{1} \Theta}{\Sigma}$$

$$900 = - \Delta - a' \sin^2 \theta$$

$$300 = -\left(\frac{x^{1} + \alpha^{1} \cos^{1}\theta}{\Sigma} - \frac{2G(r)Mr}{\Sigma}\right)$$

$$900 = -\left(1 - \frac{2G(r)Mr}{\Sigma}\right) \sqrt{\frac{2G(r)Mr}{\Sigma}}$$

$$302 = \eta_{\alpha\beta} e_0 e_2 = -e_0 e_2 + e_0 e_2 + e_0 e_2 + e_0 e_2 + e_0 e_2$$

$$903 = -\sqrt{\frac{\Delta}{\Sigma}} \left( -\sqrt{\frac{\Delta}{\Sigma}} a \sin^2 \theta \right) + \left( -\frac{a \sin \theta}{\sqrt{\Sigma}} \right) \left( \frac{\sin \theta}{\sqrt{\Sigma}} (r^2 + a^2) \right)$$

$$g_{03} = \Delta a \sin^2 \theta - a \sin^2 \theta (r^2 + a^2)$$

$$\theta_{03} = \frac{\Delta \leq m^2 \theta}{\Sigma} \left( \Delta - \kappa^2 - \Delta^2 \right)$$

$$3_{11} = \eta_{\alpha\beta} e_{1}^{(\alpha)} e_{1}^{(\beta)} = -e_{1}^{(\beta)} e_{1}^{(\gamma)} + e_{1}^{(\gamma)} e_{1}^{(\gamma)} + e_{1}^{(\gamma)} e_{1}^{(\gamma)} + e_{1}^{(\gamma)} e_{1}^{(\gamma)}$$

$$3_{11} = e_{1}^{(\gamma)} e_{1}^{(\gamma)}$$

$$3_{11} = \frac{\Sigma}{\Delta}$$

$$3_{22} = \eta_{\alpha\beta} e_{2}^{(\alpha)} e_{1}^{(\beta)} = -e_{1}^{(\beta)} e_{1}^{(\beta)} + e_{1}^{(\gamma)} e_{1}^{(\gamma)} + e_{1}^{(\gamma)} e_{1}^{(\gamma)} + e_{1}^{(\gamma)} e_{1}^{(\gamma)} + e_{1}^{(\gamma)} e_{1}^{(\gamma)}$$

$$3_{22} = e_{1}^{(\gamma)} e_{1}^{(\gamma)}$$

$$3_{21} = e_{1}^{(\gamma)} e_{1}^{(\gamma)}$$

$$3_{33} = \eta_{\kappa\rho} e_{3}^{(\kappa)} e_{3}^{(\rho)} = -e_{3}^{(\rho)} e_{3}^{(\rho)} + e_{3}^{(1)} e_{3}^{(1)} + e_{3}^{(2)} e_{3}^{(2)} + e_{3}^{(3)} e_{3}^{(3)} 
3_{33} = -e_{3}^{(\rho)} e_{3}^{(\rho)} + e_{3}^{(3)} e_{3}^{(1)} 
3_{33} = -\left(-\sqrt{\frac{\Delta}{\Sigma}} \Delta Sm^{1}\Theta\right)^{1} + \left(\frac{Sm\Theta}{\sqrt{\Sigma}} (c^{1} + a^{1})\right)^{1}$$

$$3ss = -\frac{\Delta}{\Sigma}a^{2}sm^{4}\theta + \frac{sm^{2}\theta}{\Sigma}(x^{2}+a^{2})^{2}$$

$$3ss = \frac{sm^{2}\theta}{\Sigma}\left[(x^{2}+a^{2})^{2} - a^{2}\Delta sm^{2}\theta\right]$$

$$3ss = \frac{sm^{2}\theta}{\Sigma}\left[(x^{2}+a^{2})^{2} - a^{2}(x^{2}+a^{2}-2G(x)Mx^{2})sm^{2}\theta\right]$$

$$= x^{4} + 2x^{1}a^{1} + a^{4} - x^{1}a^{1} + a^{4} - a^{4} + a^{4} +$$

$$\theta_{33} = \frac{5 \ln^{1} \theta}{\Sigma} \left[ (x^{1} + a^{1})(x^{1} + a^{1} G_{0}^{1} \theta) + 2G(\tau) M \tau a^{1} S \ln^{1} \theta \right]$$

$$9_{33} = 5 m^2 \Theta \left( r^2 + a^2 + \frac{2G(r)Mr}{\Sigma} a^2 5 m^2 \Theta \right)$$