$$\Gamma^{r}_{tt} = -\frac{M\left(a^2 + r\left(-2M + r\right)\right)\left(-r^2 + a^2\cos[th]^2\right)}{\left(r^2 + a^2\cos[th]^2\right)^3}$$

$$\Gamma^{r}_{rr} = \frac{r\left(a^2 - Mr\right) + a^2\left(M - r\right)\cos[th]^2}{\left(a^2 + r\left(-2M + r\right)\right)\left(r^2 + a^2\cos[th]^2\right)}$$

$$\Gamma^{r}_{\theta\theta} = -\frac{r\left(a^2 + r\left(-2M + r\right)\right)}{r^2 + a^2\cos[th]^2}$$

$$\Gamma^{r}_{\varphi\varphi} = -\frac{\left(a^2 + r\left(-2M + r\right)\right)\sin[th]^2\left(r^5 + a^4 r\cos[th]^4 - a^2 M r^2\sin[th]^2 + \cos[th]^2\left(2a^2 r^3 + a^4 M\sin[th]^2\right)\right)}{\left(r^2 + a^2\cos[th]^2\right)^3}$$

$$\Gamma^{r}_{\varphi t} = \frac{aM\left(a^2 + r\left(-2M + r\right)\right)\left(-r^2 + a^2\cos[th]^2\right)\sin[th]^2}{\left(r^2 + a^2\cos[th]^2\right)^3}$$

$$\Gamma^{r}_{\theta r} = -\frac{a^2\cos[th]\sin[th]}{r^2 + a^2\cos[th]^2}$$

$$\Gamma^{\theta}_{tt} = -\frac{2a^2 M r\cos[th]\sin[th]}{\left(r^2 + a^2\cos[th]^2\right)^3}$$

$$\Gamma^{\theta}_{rr} = \frac{a^2\cos[th]\sin[th]}{\left(a^2 + r\left(-2M + r\right)\right)\left(r^2 + a^2\cos[th]^2\right)}$$

$$\Gamma^{\theta}_{\theta\theta} = -\frac{a^2\cos[th]\sin[th]}{r^2 + a^2\cos[th]^2}$$

$$\Gamma^{\theta}_{\varphi\varphi} = -\frac{1}{\left(r^2 + a^2\cos[th]^2\right)^3}\cos[th]\sin[th]$$
$$\left(2a^2 r^2\left(a^2 + r^2\right)\cos[th]^2 + a^4\left(a^2 + r^2\right)\cos[th]^4 + r\left(a^2 r^3 + r^5 + 4a^2 M r^2\sin[th]^2 + 2a^4 M\sin[th]^4 + a^4 M\sin[2th]^2\right)\right)$$

$$\Gamma^{\theta}_{\varphi t} = \frac{aMr\left(a^2 + r^2\right)\sin[2th]}{\left(r^2 + a^2\cos[th]^2\right)^3}$$

$$\Gamma^{\theta}_{\theta r} = \frac{r}{r^2 + a^2\cos[th]^2}$$