

WormholeRiemann:

$$R^t_{tr} = -R^t_{rt} = -\frac{\partial_r f[r]^2 + f[r] \partial_{r^2} f[r]}{f[r]^2}$$

$$R^t_{\theta t \theta} = R^r_{\theta r \theta} = -R^t_{\theta \theta t} = -R^r_{\theta \theta r} = -r f[r] \sin[\phi]^2 \partial_r f[r]$$

$$R^t_{\phi t \phi} = R^r_{\phi r \phi} = -R^t_{\phi \phi t} = -R^r_{\phi \phi r} = -r f[r] \partial_r f[r]$$

OGRe:

$$R^r_{tr} = -R^r_{rt} = -f[r]^2 (\partial_r f[r]^2 + f[r] \partial_{r^2} f[r])$$

$$R^\theta_{tt\theta} = R^\phi_{tt\phi} = -R^\theta_{t\theta t} = -R^\phi_{t\phi t} = -\frac{f[r]^3 \partial_r f[r]}{r}$$

$$R^\theta_{rr\theta} = R^\phi_{rr\phi} = -R^\theta_{r\theta r} = -R^\phi_{r\phi r} = \frac{\partial_r f[r]}{r f[r]}$$

$$R^\theta_{\phi\theta\phi} = -R^\theta_{\phi\phi\theta} = 1 - f[r]^2$$

$$R^\phi_{\theta\theta\phi} = -R^\phi_{\theta\phi\theta} = (-1 + f[r]^2) \sin[\phi]^2$$