

Start with the general static spherically symmetric metric:

$$ds^2 = -e^{2\Psi} dt^2 + e^{2\Lambda} dr^2 + r^2(d\theta^2 + \sin^2\theta d\phi^2)$$

1. Compute the connection coefficients:

$$\Gamma^{\alpha}_{\beta\gamma} = \frac{1}{2}g^{\alpha\delta}(g_{\delta\beta,\gamma} + g_{\delta\gamma,\beta} - g_{\beta\gamma,\delta})$$

2. Compute the Riemann curvature:

$$R^{\alpha}_{\beta\gamma\delta} = \partial_{\gamma}\Gamma^{\alpha}_{\beta\delta} - \partial_{\delta}\Gamma^{\alpha}_{\beta\gamma} + \Gamma^{\alpha}_{\varepsilon\gamma}\Gamma^{\varepsilon}_{\beta\delta} - \Gamma^{\alpha}_{\varepsilon\delta}\Gamma^{\varepsilon}_{\beta\gamma}$$

3. Compute the Ricci curvature:

$$R_{\alpha\beta} = R^{\gamma}_{\alpha\gamma\beta}$$

4. Compute the Scalar curvature:

$$R = R^{\alpha}_{\alpha}$$

5. Compute the Einstein curvature:

$$E_{\alpha\beta} = R_{\alpha\beta} - \frac{1}{2}g_{\alpha\beta}R$$