

GWEinstein:

OGRe:

$$G_{tt} = G_{zz} = - \frac{2 \left(\partial_u^2 L[u] + L[u] \partial_u \beta[u]^2 \right)}{L[u]}$$

$$G_{tz} = G_{zt} = 2 \left(\frac{\partial_u^2 L[u]}{L[u]} + \partial_u \beta[u]^2 \right)$$