GWEinstein:

$$2\left(\partial_{u^2}L[u]+L[u]\partial_u\beta[u]^2\right)$$

OGRe: $G_{tt} = G_{zz} = -\frac{\sum_{u} \sum_{z=1}^{n} C_{u} \sum_{z=1}^{n} C_{u}}{L[u]}$

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