

# The other unitarity

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$$\gamma^{-1} = \Omega(\tau)^{-1} \bar{\gamma}^T \Omega(l),$$

with  $\gamma = C^{-1} \beta C_{\tau}$ , this becomes

$$C_{\tau}^{-1} \beta^{-1} C = \Omega_{\tau}^{-1} \bar{C}_{\tau} \bar{\beta}^T \bar{C}^{-1} \mathcal{L}$$

$$\beta^{-1} = C_{\tau} \Omega_{\tau}^{-1} \bar{C}_{\tau} \bar{\beta}^T \bar{C}^{-1} \mathcal{L} C^{-1}$$