$$\zeta_{\alpha\beta} = U_{\alpha1}U_{\beta1}^* + U_{\alpha2}U_{\beta2}^* + U_{\alpha3}U_{\beta3}^* \quad \zeta_{ij} = U_{ei}U_{ej}^* + U_{\mu i}U_{\mu j}^* + U_{\tau i}U_{\tau j}^*$$

