

$$U(1+1+2,\varepsilon_3):=\begin{pmatrix}0&a_{12}&a_{13}&-a_{13}0\\0&\textcolor{blue}{a_{23}}&-a_{23}a_{31}&\textcolor{blue}{a_{32}}\\\textcolor{blue}{a_{33}}&-a_{33}a_{31}&a_{32}&\textcolor{blue}{a_{33}}\\-\textcolor{blue}{a_{33}}&&&\end{pmatrix}.$$