* Rank 0 tensor. * Rank 1 tensor. * Rank 2 tensor (s). * Rank 2 tensor (a). * Rank 3 tensor (s).

$$\begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ M_{yzx} & 0 & 0 \\ 0 & -M_{yzx} & 0 \\ 0 & 0 & 0 \end{bmatrix}$$

$M_{yzx} = -3T_{du}^{(1)}$

* Rank 3 tensor (a).

$$\begin{bmatrix} M_{yzx} & 0 & 0 \\ 0 & M_{yzx} & 0 \\ 0 & 0 & M_{xyz} \end{bmatrix}$$

$M_{yzx} = -T_{du}^{(2)} + T_{s}^{(1)}$

$M_{xyz} = 2T_{du}^{(2)} + T_{s}^{(1)}$

* Rank 4 tensor (sss).

$$\begin{bmatrix} 0 & 0 & 0 & M_{xxyz} & 0 & 0 \\ 0 & 0 & 0 & -M_{xxyz} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ M_{xxyz} & -M_{xxyz} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & M_{xxyz} \\ 0 & 0 & 0 & 0 & M_{xxyz} & 0 \end{bmatrix}$$

$M_{xxyz} = M_{gb}^{(1)}$

* Rank 4 tensor (ssa).

$$\begin{bmatrix} 0 & 0 & 0 & M_{xxyz} & 0 & 0 \\ 0 & 0 & 0 & -M_{xxyz} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ -M_{xxyz} & M_{xxyz} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -M_{xxyz} \\ 0 & 0 & 0 & 0 & M_{xxyz} & 0 \end{bmatrix}$$

$M_{xxyz} = 2T_{f2}^{(1)}$

* Rank 4 tensor (aas). * Rank 4 tensor (aaa). * Rank 4 tensor (sa).

$$\begin{bmatrix} M_{xxyz} & 0 & 0 \\ -M_{xxyz} & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & -M_{xxyz} & 0 \end{bmatrix}$$

$M_{xxyz} = T_{f2}^{(2)}$

* Rank 4 tensor (as).

$$\begin{bmatrix} M_{yzxx} & -M_{yzxx} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -M_{yzxx} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$$

$$M_{yzxx} = T^{(3)}_{f2}$$

* Rank 4 tensor (s).

$$
\begin{bmatrix}
0 & 0 & 0 & M_{xxyz} & 0 & 0 & M_{xxzy} & 0 & 0 \\
0 & 0 & 0 & -M_{xxyz} & 0 & 0 & -M_{xxzy} & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
M_{yzxx} & -M_{yzxx} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & M_{yzxx} & 0 & 0 & M_{yzxx} \\
0 & 0 & 0 & 0 & M_{xxzy} & 0 & 0 & M_{xxyz} & 0
\end{bmatrix}
$$

$$M_{xxyz} = M^{(1)}_{gb} + 2T^{(1)}_{f2} + T^{(2)}_{f2}$$
$$M_{xxzy} = M^{(1)}_{gb} + 2T^{(1)}_{f2} - T^{(2)}_{f2}$$
$$M_{yzxx} = M^{(1)}_{gb} - 2T^{(1)}_{f2}$$

* Rank 4 tensor (a).

$$
\begin{bmatrix}
M_{yzxx} & -M_{yzxx} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & -M_{yzxx} & 0 & 0 & -M_{yzxx} \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0
\end{bmatrix}
$$

$$M_{yzxx} = T^{(3)}_{f2}$$

* Rank 4 tensor (t).

$$
\begin{bmatrix}
0 & 0 & 0 \\
0 & 0 & M_{yyyz} \\
0 & 0 & 0 \\
0 & M_{yyyz} & 0 \\
0 & 0 & 0 \\
0 & 0 & -M_{yyyz} \\
0 & 0 & 0 \\
0 & -M_{yyyz} & 0 \\
0 & 0 & 0 \\
-M_{yyyz} & 0 & 0
\end{bmatrix}
$$

$$M_{yyyz} = -M^{(1)}_{gb}$$