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

$$\begin{bmatrix} 0 & M_{xy} & 0 \\ M_{xy} & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$$

$M_{xy} = M_{dxy}^{(1)}$

* 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).

$$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & M_{xxxy} \\ 0 & 0 & 0 & 0 & 0 & M_{xxxy} \\ 0 & 0 & 0 & 0 & 0 & M_{zzxy} \\ 0 & 0 & 0 & 0 & M_{yzzx} & 0 \\ 0 & 0 & 0 & M_{yzzx} & 0 & 0 \\ M_{xxxy} & M_{xxxy} & M_{zzxy} & 0 & 0 & 0 \end{bmatrix}$$

$M_{xxxy} = M_{dxy}^{(1)} + 2M_{dxy}^{(2)} - M_{gbz}^{(1)}$

$M_{zzxy} = M_{dxy}^{(1)} + 2M_{gbz}^{(1)}$

$M_{yzzx} = M_{dxy}^{(2)} + 2M_{gbz}^{(1)}$

* Rank 4 tensor (ssa).

$$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & M_{xxxy} \\ 0 & 0 & 0 & 0 & 0 & M_{xxxy} \\ 0 & 0 & 0 & 0 & 0 & M_{zzxy} \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ -M_{xxxy} & -M_{xxxy} & -M_{zzxy} & 0 & 0 & 0 \end{bmatrix}$$

$M_{xxxy} = M_{dxy}^{(3)} + 2T_{fbz}^{(1)}$

$M_{zzxy} = M_{dxy}^{(3)} - 4T_{fbz}^{(1)}$

* Rank 4 tensor (aas).

$$\begin{bmatrix} 0 & M_{yzzx} & 0 \\ M_{yzzx} & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$$

$$M_{yzzx} = 2M^{(4)}_{dxy}$$

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

$$
\begin{bmatrix}
0 & 0 & M_{xxxy} \\
0 & 0 & -M_{xxxy} \\
0 & 0 & 0 \\
0 & M_{yzzx} & 0 \\
-M_{yzzx} & 0 & 0 \\
0 & 0 & 0
\end{bmatrix}
$$

$$M_{xxxy} = -2M^{(5)}_{dxy} + T^{(2)}_{fbz}$$
$$M_{yzzx} = -M^{(5)}_{dxy} - T^{(2)}_{fbz}$$

* Rank 4 tensor (as).

$$
\begin{bmatrix}
0 & 0 & 0 & 0 & M_{yzzx} & 0 \\
0 & 0 & 0 & -M_{yzzx} & 0 & 0 \\
M_{xyxx} & -M_{xyxx} & 0 & 0 & 0 & 0
\end{bmatrix}
$$

$$M_{yzzx} = M^{(6)}_{dxy} + T^{(3)}_{fbz}$$
$$M_{xyxx} = -2M^{(6)}_{dxy} + T^{(3)}_{fbz}$$

* Rank 4 tensor (s).

$$
\begin{bmatrix}
0 & 0 & 0 & 0 & 0 & M_{xxxy} & 0 & 0 & M_{xxyx} \\
0 & 0 & 0 & 0 & 0 & M_{xxyx} & 0 & 0 & M_{xxxy} \\
0 & 0 & 0 & 0 & 0 & M_{zzxy} & 0 & 0 & M_{zzxy} \\
0 & 0 & 0 & 0 & M_{yzzx} & 0 & 0 & M_{yzxz} & 0 \\
0 & 0 & 0 & M_{yzxz} & 0 & 0 & M_{yzzx} & 0 & 0 \\
M_{xyxx} & M_{xyxx} & M_{xyzz} & 0 & 0 & 0 & 0 & 0 & 0
\end{bmatrix}
$$

$$M_{xxxy} = M^{(1)}_{dxy} + 2M^{(2)}_{dxy} + M^{(3)}_{dxy} - 2M^{(5)}_{dxy} - M^{(1)}_{gbz} + 2T^{(1)}_{fbz} + T^{(2)}_{fbz}$$
$$M_{xxyx} = M^{(1)}_{dxy} + 2M^{(2)}_{dxy} + M^{(3)}_{dxy} + 2M^{(5)}_{dxy} - M^{(1)}_{gbz} + 2T^{(1)}_{fbz} - T^{(2)}_{fbz}$$
$$M_{zzxy} = M^{(1)}_{dxy} + M^{(3)}_{dxy} + 2M^{(1)}_{gbz} - 4T^{(1)}_{fbz}$$
$$M_{yzzx} = M^{(2)}_{dxy} - M^{(5)}_{dxy} + 2M^{(1)}_{gbz} - T^{(2)}_{fbz}$$
$$M_{yzxz} = M^{(2)}_{dxy} + M^{(5)}_{dxy} + 2M^{(1)}_{gbz} + T^{(2)}_{fbz}$$
$$M_{xyxx} = M^{(1)}_{dxy} + 2M^{(2)}_{dxy} - M^{(3)}_{dxy} - M^{(1)}_{gbz} - 2T^{(1)}_{fbz}$$
$$M_{xyzz} = M^{(1)}_{dxy} - M^{(3)}_{dxy} + 2M^{(1)}_{gbz} + 4T^{(1)}_{fbz}$$

* Rank 4 tensor (a).

$$
\begin{bmatrix}
0 & 0 & 0 & 0 & M_{yzzx} & 0 & 0 & M_{yzxz} & 0 \\
0 & 0 & 0 & -M_{yzxz} & 0 & 0 & -M_{yzzx} & 0 & 0 \\
M_{xyxx} & -M_{xyxx} & 0 & 0 & 0 & 0 & 0 & 0 & 0
\end{bmatrix}
$$

$$M_{yzzx} = 2M^{(4)}_{dxy} + M^{(6)}_{dxy} + T^{(3)}_{fbz}$$
$$M_{yzxz} = -2M^{(4)}_{dxy} + M^{(6)}_{dxy} + T^{(3)}_{fbz}$$
$$M_{xyxx} = -2M^{(6)}_{dxy} + T^{(3)}_{fbz}$$

* Rank 4 tensor (t).

$$
\begin{bmatrix}
0 & M_{xxxy} & 0 \\
M_{xxxy} & 0 & 0 \\
0 & 0 & 0 \\
0 & 0 & 0 \\
0 & M_{zzxy} & 0 \\
M_{xxyx} & 0 & 0 \\
M_{yzzx} & 0 & 0 \\
0 & 0 & 0 \\
0 & M_{xyyy} & 0 \\
0 & 0 & -\frac{M_{xxxy}}{2} - \frac{M_{xxyx}}{2} + M_{xyyy} + M_{zzxy}
\end{bmatrix}
$$

$$
M_{xxxy} = M_{dxy}^{(1)} + 2M_{dxy}^{(2)} + M_{dxy}^{(3)} - 2M_{dxy}^{(5)} - M_{gbz}^{(1)}
$$
$$
M_{zzxy} = M_{dxy}^{(1)} + M_{dxy}^{(3)} + 2M_{gbz}^{(1)}
$$
$$
M_{xxyx} = M_{dxy}^{(1)} + 2M_{dxy}^{(2)} + M_{dxy}^{(3)} + 2M_{dxy}^{(5)} - M_{gbz}^{(1)}
$$
$$
M_{yzzx} = M_{dxy}^{(2)} - M_{dxy}^{(5)} + 2M_{gbz}^{(1)}
$$
$$
M_{xyyy} = M_{dxy}^{(1)} + 2M_{dxy}^{(2)} - M_{dxy}^{(3)} - M_{gbz}^{(1)}
$$