MPG No. 8.7.126 $m'mm$ (mm'm setting) [Type III, orthorhombic] [T tensor]

* Rank 0 tensor. * Rank 1 tensor.

$$\begin{bmatrix} 0 & T_y & 0 \end{bmatrix}$$

$$T_y = T^{(1)}_{py}$$

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

$$\begin{bmatrix} 0 & T_{xxy} & 0 \\ 0 & T_{yyy} & 0 \\ 0 & T_{zzy} & 0 \\ 0 & 0 & T_{yzz} \\ 0 & 0 & 0 \\ T_{xyx} & 0 & 0 \end{bmatrix}$$

$$T_{xxy} = 2M^{(1)}_{dxz} - T^{(1)}_{fay} - T^{(1)}_{fby} + T^{(1)}_{py}$$
$$T_{yyy} = 2T^{(1)}_{fay} + T^{(1)}_{py} + 2T^{(2)}_{py}$$
$$T_{zzy} = -2M^{(1)}_{dxz} - T^{(1)}_{fay} + T^{(1)}_{fby} + T^{(1)}_{py}$$
$$T_{yzz} = M^{(1)}_{dxz} - T^{(1)}_{fay} + T^{(1)}_{fby} + T^{(2)}_{py}$$
$$T_{xyx} = -M^{(1)}_{dxz} - T^{(1)}_{fay} - T^{(1)}_{fby} + T^{(2)}_{py}$$

* Rank 3 tensor (a).

$$\begin{bmatrix} 0 & 0 & T_{yzz} \\ 0 & 0 & 0 \\ T_{xyx} & 0 & 0 \end{bmatrix}$$

$$T_{yzz} = M^{(2)}_{dxz} - T^{(3)}_{py}$$
$$T_{xyx} = M^{(2)}_{dxz} + T^{(3)}_{py}$$

* Rank 4 tensor (sss). * Rank 4 tensor (ssa). * Rank 4 tensor (aas). * Rank 4 tensor (aaa). * Rank 4 tensor (sa). * Rank 4 tensor (as). * Rank 4 tensor (s). * Rank 4 tensor (a). * Rank 4 tensor (t).