

MPG No. 8.8.127  $m'm'm$  (m'mm' setting) [ Type III, orthorhombic ] [M tensor]

\* Rank 0 tensor. \* Rank 1 tensor.

$$[0 \quad M_y \quad 0]$$

$$M_y = M_{py}^{(1)}$$

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

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

$$M_{xxy} = -M_{fay}^{(1)} - M_{fbg}^{(1)} + M_{py}^{(1)} + 2T_{dxz}^{(1)}$$

$$M_{yyy} = 2M_{fay}^{(1)} + M_{py}^{(1)} + 2M_{py}^{(2)}$$

$$M_{zzy} = -M_{fay}^{(1)} + M_{fbg}^{(1)} + M_{py}^{(1)} - 2T_{dxz}^{(1)}$$

$$M_{yzz} = -M_{fay}^{(1)} + M_{fbg}^{(1)} + M_{py}^{(2)} + T_{dxz}^{(1)}$$

$$M_{xyx} = -M_{fay}^{(1)} - M_{fbg}^{(1)} + M_{py}^{(2)} - T_{dxz}^{(1)}$$

\* Rank 3 tensor (a).

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

$$M_{yzz} = -M_{py}^{(3)} + T_{dxz}^{(2)}$$

$$M_{xyx} = M_{py}^{(3)} + T_{dxz}^{(2)}$$

\* 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).