* Rank 0 tensor. * Rank 1 tensor.

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

$G_y = G_{py}^{(1)}$

* Rank 2 tensor (s).

$$\begin{bmatrix} 0 & G_{xy} & 0 \\ G_{xy} & 0 & G_{yz} \\ 0 & G_{yz} & 0 \end{bmatrix}$$

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

$G_{yz} = G_{dyz}^{(1)}$

* Rank 2 tensor (a).

$$\begin{bmatrix} 0 & G_{xy} & 0 \\ -G_{xy} & 0 & G_{yz} \\ 0 & -G_{yz} & 0 \end{bmatrix}$$

$G_{xy} = Q_{pz}^{(1)}$

$G_{yz} = Q_{px}^{(1)}$

* Rank 3 tensor (s).

$$\begin{bmatrix} 0 & G_{xxy} & 0 \\ 0 & G_{yyy} & 0 \\ 0 & G_{zzy} & 0 \\ G_{yzx} & 0 & G_{yzz} \\ 0 & G_{zxy} & 0 \\ G_{xyx} & 0 & G_{xyz} \end{bmatrix}$$

$G_{xxy} = -G_{fay}^{(1)} - G_{fby}^{(1)} + G_{py}^{(1)} + 2Q_{dxz}^{(1)}$

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

$G_{zzy} = -G_{fay}^{(1)} + G_{fby}^{(1)} + G_{py}^{(1)} - 2Q_{dxz}^{(1)}$

$G_{yzx} = G_{f3}^{(1)} - 3Q_{du}^{(1)} - Q_{dv}^{(1)}$

$G_{yzz} = -G_{fay}^{(1)} + G_{fby}^{(1)} + G_{py}^{(2)} + Q_{dxz}^{(1)}$

$G_{zxy} = G_{f3}^{(1)} + 3Q_{du}^{(1)} - Q_{dv}^{(1)}$

$G_{xyx} = -G_{fay}^{(1)} - G_{fby}^{(1)} + G_{py}^{(2)} - Q_{dxz}^{(1)}$

$G_{xyz} = G_{f3}^{(1)} + 2Q_{dv}^{(1)}$

* Rank 3 tensor (a).

$$\begin{bmatrix} G_{yzx} & 0 & G_{yzz} \\ 0 & G_{zxy} & 0 \\ G_{xyx} & 0 & G_{xyz} \end{bmatrix}$$

$G_{yzx} = -Q_{du}^{(2)} + Q_{dv}^{(2)} + Q_s^{(1)}$

$G_{yzz} = -G_{py}^{(3)} + Q_{dxz}^{(2)}$

$G_{zxy} = -Q_{du}^{(2)} - Q_{dv}^{(2)} + Q_s^{(1)}$

$G_{xyx} = G_{py}^{(3)} + Q_{dxz}^{(2)}$

$G_{xyz} = 2Q_{du}^{(2)} + Q_s^{(1)}$

* Rank 4 tensor (sss).

$$
\begin{bmatrix}
0 & 0 & 0 & G_{xxyz} & 0 & G_{xxxy} \\
0 & 0 & 0 & G_{yyyz} & 0 & G_{yyxy} \\
0 & 0 & 0 & G_{zzyz} & 0 & G_{zzxy} \\
G_{xxyz} & G_{yyyz} & G_{zzyz} & 0 & G_{yzzx} & 0 \\
0 & 0 & 0 & G_{yzzx} & 0 & G_{zxxy} \\
G_{xxxy} & G_{yyxy} & G_{zzxy} & 0 & G_{zxxy} & 0
\end{bmatrix}
$$

$$G_{xxyz} = G_{dyz}^{(1)} + 2G_{gbx}^{(1)}$$
$$G_{xxxy} = G_{dxy}^{(1)} + 2G_{dxy}^{(2)} + G_{gaz}^{(1)} - G_{gbz}^{(1)}$$
$$G_{yyyz} = G_{dyz}^{(1)} + 2G_{dyz}^{(2)} + G_{gax}^{(1)} - G_{gbx}^{(1)}$$
$$G_{yyxy} = G_{dxy}^{(1)} + 2G_{dxy}^{(2)} - G_{gaz}^{(1)} - G_{gbz}^{(1)}$$
$$G_{zzyz} = G_{dyz}^{(1)} + 2G_{dyz}^{(2)} - G_{gax}^{(1)} - G_{gbx}^{(1)}$$
$$G_{zzxy} = G_{dxy}^{(1)} + 2G_{gbz}^{(1)}$$
$$G_{yzzx} = G_{dxy}^{(2)} + 2G_{gbz}^{(1)}$$
$$G_{zxxy} = G_{dyz}^{(2)} + 2G_{gbx}^{(1)}$$

* Rank 4 tensor (ssa).

$$
\begin{bmatrix}
0 & 0 & 0 & G_{xxyz} & 0 & G_{xxxy} \\
0 & 0 & 0 & G_{yyyz} & 0 & G_{yyxy} \\
0 & 0 & 0 & G_{zzyz} & 0 & G_{zzxy} \\
-G_{xxyz} & -G_{yyyz} & -G_{zzyz} & 0 & G_{yzzx} & 0 \\
0 & 0 & 0 & -G_{yzzx} & 0 & G_{zxxy} \\
-G_{xxxy} & -G_{yyxy} & -G_{zzxy} & 0 & -G_{zxxy} & 0
\end{bmatrix}
$$

$$G_{xxyz} = G_{dyz}^{(3)} - 4Q_{fbx}^{(1)}$$
$$G_{xxxy} = G_{dxy}^{(3)} - 2Q_{faz}^{(1)} + 2Q_{fbz}^{(1)} + 2Q_{pz}^{(1)}$$
$$G_{yyyz} = G_{dyz}^{(3)} - 2Q_{fax}^{(1)} + 2Q_{fbx}^{(1)} + 2Q_{px}^{(1)}$$
$$G_{yyxy} = G_{dxy}^{(3)} + 2Q_{faz}^{(1)} + 2Q_{fbz}^{(1)} - 2Q_{pz}^{(1)}$$
$$G_{zzyz} = G_{dyz}^{(3)} + 2Q_{fax}^{(1)} + 2Q_{fbx}^{(1)} - 2Q_{px}^{(1)}$$
$$G_{zzxy} = G_{dxy}^{(3)} - 4Q_{fbz}^{(1)}$$
$$G_{yzzx} = -4Q_{faz}^{(1)} - Q_{pz}^{(1)}$$
$$G_{zxxy} = -4Q_{fax}^{(1)} - Q_{px}^{(1)}$$

* Rank 4 tensor (aas).

$$
\begin{bmatrix}
0 & G_{yzzx} & 0 \\
G_{yzzx} & 0 & G_{zxxy} \\
0 & G_{zxxy} & 0
\end{bmatrix}
$$

$$G_{yzzx} = 2G_{dxy}^{(4)}$$
$$G_{zxxy} = 2G_{dyz}^{(4)}$$

* Rank 4 tensor (aaa).

$$
\begin{bmatrix}
0 & G_{yzzx} & 0 \\
-G_{yzzx} & 0 & G_{zxxy} \\
0 & -G_{zxxy} & 0
\end{bmatrix}
$$

$$G_{yzzx} = -Q_{pz}^{(2)}$$
$$G_{zxxy} = -Q_{px}^{(2)}$$

* Rank 4 tensor (sa).

$$\begin{bmatrix} G_{xxyz} & 0 & G_{xxxy} \\ G_{yyyz} & 0 & G_{yyxy} \\ G_{zzyz} & 0 & G_{zzxy} \\ 0 & G_{yzzx} & 0 \\ G_{zxyz} & 0 & G_{zxxy} \\ 0 & G_{xyzx} & 0 \end{bmatrix}$$

$$G_{xxyz} = 2Q^{(2)}_{fax} + Q^{(3)}_{px} + 2Q^{(4)}_{px}$$
$$G_{xxxy} = -2G^{(5)}_{dxy} - Q^{(2)}_{faz} + Q^{(2)}_{fbz} + Q^{(3)}_{pz}$$
$$G_{yyyz} = -2G^{(5)}_{dyz} - Q^{(2)}_{fax} + Q^{(2)}_{fbx} + Q^{(3)}_{px}$$
$$G_{yyxy} = 2G^{(5)}_{dxy} - Q^{(2)}_{faz} - Q^{(2)}_{fbz} + Q^{(3)}_{pz}$$
$$G_{zzyz} = 2G^{(5)}_{dyz} - Q^{(2)}_{fax} - Q^{(2)}_{fbx} + Q^{(3)}_{px}$$
$$G_{zzxy} = 2Q^{(2)}_{faz} + Q^{(3)}_{pz} + 2Q^{(4)}_{pz}$$
$$G_{yzzx} = -G^{(5)}_{dxy} - Q^{(2)}_{faz} - Q^{(2)}_{fbz} + Q^{(4)}_{pz}$$
$$G_{zxyz} = G^{(5)}_{dxy} - Q^{(2)}_{faz} + Q^{(2)}_{fbz} + Q^{(4)}_{pz}$$
$$G_{zxxy} = -G^{(5)}_{dyz} - Q^{(2)}_{fax} - Q^{(2)}_{fbx} + Q^{(4)}_{px}$$
$$G_{xyzx} = G^{(5)}_{dyz} - Q^{(2)}_{fax} + Q^{(2)}_{fbx} + Q^{(4)}_{px}$$

* Rank 4 tensor (as).

$$\begin{bmatrix} G_{yzxx} & G_{yzyy} & G_{yzzz} & 0 & G_{yzzx} & 0 \\ 0 & 0 & 0 & G_{zxyz} & 0 & G_{zxxy} \\ G_{xyxx} & G_{xyyy} & G_{xyzz} & 0 & G_{xyzx} & 0 \end{bmatrix}$$

$$G_{yzxx} = 2Q^{(3)}_{fax} + Q^{(5)}_{px} + 2Q^{(6)}_{px}$$
$$G_{yzyy} = -2G^{(6)}_{dyz} - Q^{(3)}_{fax} + Q^{(3)}_{fbx} + Q^{(5)}_{px}$$
$$G_{yzzz} = 2G^{(6)}_{dyz} - Q^{(3)}_{fax} - Q^{(3)}_{fbx} + Q^{(5)}_{px}$$
$$G_{yzzx} = G^{(6)}_{dxy} - Q^{(3)}_{faz} + Q^{(3)}_{fbz} + Q^{(6)}_{pz}$$
$$G_{zxyz} = -G^{(6)}_{dxy} - Q^{(3)}_{faz} - Q^{(3)}_{fbz} + Q^{(6)}_{pz}$$
$$G_{zxxy} = G^{(6)}_{dyz} - Q^{(3)}_{fax} + Q^{(3)}_{fbx} + Q^{(6)}_{px}$$
$$G_{xyxx} = -2G^{(6)}_{dxy} - Q^{(3)}_{faz} + Q^{(3)}_{fbz} + Q^{(5)}_{pz}$$
$$G_{xyyy} = 2G^{(6)}_{dxy} - Q^{(3)}_{faz} - Q^{(3)}_{fbz} + Q^{(5)}_{pz}$$
$$G_{xyzz} = 2Q^{(3)}_{faz} + Q^{(5)}_{pz} + 2Q^{(6)}_{pz}$$
$$G_{xyzx} = -G^{(6)}_{dyz} - Q^{(3)}_{fax} - Q^{(3)}_{fbx} + Q^{(6)}_{px}$$

* Rank 4 tensor (s).

$$\begin{bmatrix} 0 & 0 & 0 & G_{xxyz} & 0 & G_{xxxy} & G_{xxzy} & 0 & G_{xxyx} \\ 0 & 0 & 0 & G_{yyyz} & 0 & G_{yyxy} & G_{yyzy} & 0 & G_{yyyx} \\ 0 & 0 & 0 & G_{zzyz} & 0 & G_{zzxy} & G_{zzzy} & 0 & G_{zzyx} \\ G_{yzxx} & G_{yzyy} & G_{yzzz} & 0 & G_{yzzx} & 0 & 0 & G_{yzxz} & 0 \\ 0 & 0 & 0 & G_{zxyz} & 0 & G_{zxxy} & G_{zxzy} & 0 & G_{zxyx} \\ G_{xyxx} & G_{xyyy} & G_{xyzz} & 0 & G_{xyzx} & 0 & 0 & G_{xyxz} & 0 \end{bmatrix}$$

$$G_{xxyz} = G^{(1)}_{dyz} + G^{(3)}_{dyz} + 2G^{(1)}_{gbx} + 2Q^{(2)}_{fax} - 4Q^{(1)}_{fbx} + Q^{(3)}_{px} + 2Q^{(4)}_{px}$$

$$G_{xxxy} = G^{(1)}_{dxy} + 2G^{(2)}_{dxy} + G^{(3)}_{dxy} - 2G^{(5)}_{dxy} + G^{(1)}_{gaz} - G^{(1)}_{gbz} - 2Q^{(1)}_{faz} - Q^{(2)}_{faz} + 2Q^{(1)}_{fbz} + Q^{(2)}_{fbz} + 2Q^{(1)}_{pz} + Q^{(3)}_{pz}$$

$$G_{xxzy} = G^{(1)}_{dyz} + G^{(3)}_{dyz} + 2G^{(1)}_{gbx} - 2Q^{(2)}_{fax} - 4Q^{(1)}_{fbx} - Q^{(3)}_{px} - 2Q^{(4)}_{px}$$

$$G_{xxyx} = G^{(1)}_{dxy} + 2G^{(2)}_{dxy} + G^{(3)}_{dxy} + 2G^{(5)}_{dxy} + G^{(1)}_{gaz} - G^{(1)}_{gbz} - 2Q^{(1)}_{faz} + Q^{(2)}_{faz} + 2Q^{(1)}_{fbz} - Q^{(2)}_{fbz} + 2Q^{(1)}_{pz} - Q^{(3)}_{pz}$$

$$G_{yyyz} = G^{(1)}_{dyz} + 2G^{(2)}_{dyz} + G^{(3)}_{dyz} - 2G^{(5)}_{dyz} + G^{(1)}_{gax} - G^{(1)}_{gbx} - 2Q^{(1)}_{fax} - Q^{(2)}_{fax} + 2Q^{(1)}_{fbx} + Q^{(2)}_{fbx} + 2Q^{(1)}_{px} + Q^{(3)}_{px}$$

$$G_{yyxy} = G^{(1)}_{dxy} + 2G^{(2)}_{dxy} + G^{(3)}_{dxy} + 2G^{(5)}_{dxy} - G^{(1)}_{gaz} - G^{(1)}_{gbz} + 2Q^{(1)}_{faz} - Q^{(2)}_{faz} + 2Q^{(1)}_{fbz} - Q^{(2)}_{fbz} - 2Q^{(1)}_{pz} + Q^{(3)}_{pz}$$

$$G_{yyzy} = G^{(1)}_{dyz} + 2G^{(2)}_{dyz} + G^{(3)}_{dyz} + 2G^{(5)}_{dyz} + G^{(1)}_{gax} - G^{(1)}_{gbx} - 2Q^{(1)}_{fax} + Q^{(2)}_{fax} + 2Q^{(1)}_{fbx} - Q^{(2)}_{fbx} + 2Q^{(1)}_{px} - Q^{(3)}_{px}$$

$$G_{yyyx} = G^{(1)}_{dxy} + 2G^{(2)}_{dxy} + G^{(3)}_{dxy} - 2G^{(5)}_{dxy} - G^{(1)}_{gaz} - G^{(1)}_{gbz} + 2Q^{(1)}_{faz} + Q^{(2)}_{faz} + 2Q^{(1)}_{fbz} + Q^{(2)}_{fbz} - 2Q^{(1)}_{pz} - Q^{(3)}_{pz}$$

$$G_{zzyz} = G^{(1)}_{dyz} + 2G^{(2)}_{dyz} + G^{(3)}_{dyz} + 2G^{(5)}_{dyz} - G^{(1)}_{gax} - G^{(1)}_{gbx} + 2Q^{(1)}_{fax} - Q^{(2)}_{fax} + 2Q^{(1)}_{fbx} - Q^{(2)}_{fbx} - 2Q^{(1)}_{px} + Q^{(3)}_{px}$$

$$G_{zzxy} = G^{(1)}_{dxy} + G^{(3)}_{dxy} + 2G^{(1)}_{gbz} + 2Q^{(2)}_{faz} - 4Q^{(1)}_{fbz} + Q^{(3)}_{pz} + 2Q^{(4)}_{pz}$$

$$G_{zzzy} = G^{(1)}_{dyz} + 2G^{(2)}_{dyz} + G^{(3)}_{dyz} - 2G^{(5)}_{dyz} - G^{(1)}_{gax} - G^{(1)}_{gbx} + 2Q^{(1)}_{fax} + Q^{(2)}_{fax} + 2Q^{(1)}_{fbx} + Q^{(2)}_{fbx} - 2Q^{(1)}_{px} - Q^{(3)}_{px}$$

$$G_{zzyx} = G^{(1)}_{dxy} + G^{(3)}_{dxy} + 2G^{(1)}_{gbz} - 2Q^{(2)}_{faz} - 4Q^{(1)}_{fbz} - Q^{(3)}_{pz} - 2Q^{(4)}_{pz}$$

$$G_{yzxx} = G^{(1)}_{dyz} - G^{(3)}_{dyz} + 2G^{(1)}_{gbx} + 4Q^{(1)}_{fbx}$$

$$G_{yzyy} = G^{(1)}_{dyz} + 2G^{(2)}_{dyz} - G^{(3)}_{dyz} + G^{(1)}_{gax} - G^{(1)}_{gbx} + 2Q^{(1)}_{fax} - 2Q^{(1)}_{fbx} - 2Q^{(1)}_{px}$$

$$G_{yzzz} = G^{(1)}_{dyz} + 2G^{(2)}_{dyz} - G^{(3)}_{dyz} - G^{(1)}_{gax} - G^{(1)}_{gbx} - 2Q^{(1)}_{fax} - 2Q^{(1)}_{fbx} + 2Q^{(1)}_{px}$$

$$G_{yzzx} = G^{(2)}_{dxy} - G^{(5)}_{dxy} + 2G^{(1)}_{gbz} - 4Q^{(1)}_{faz} - Q^{(2)}_{faz} - Q^{(2)}_{fbz} - Q^{(1)}_{pz} + Q^{(4)}_{pz}$$

$$G_{yzxz} = G^{(2)}_{dxy} + G^{(5)}_{dxy} + 2G^{(1)}_{gbz} - 4Q^{(1)}_{faz} + Q^{(2)}_{faz} + Q^{(2)}_{fbz} - Q^{(1)}_{pz} - Q^{(4)}_{pz}$$

$$G_{zxyz} = G^{(2)}_{dxy} + G^{(5)}_{dxy} + 2G^{(1)}_{gbz} + 4Q^{(1)}_{faz} - Q^{(2)}_{faz} + Q^{(2)}_{fbz} + Q^{(1)}_{pz} + Q^{(4)}_{pz}$$

$$G_{zxxy} = G^{(2)}_{dyz} - G^{(5)}_{dyz} + 2G^{(1)}_{gbx} - 4Q^{(1)}_{fax} - Q^{(2)}_{fax} - Q^{(2)}_{fbx} - Q^{(1)}_{px} + Q^{(4)}_{px}$$

$$G_{zxzy} = G^{(2)}_{dxy} - G^{(5)}_{dxy} + 2G^{(1)}_{gbz} + 4Q^{(1)}_{faz} + Q^{(2)}_{faz} - Q^{(2)}_{fbz} + Q^{(1)}_{pz} - Q^{(4)}_{pz}$$

$$G_{zxyx} = G^{(2)}_{dyz} + G^{(5)}_{dyz} + 2G^{(1)}_{gbx} - 4Q^{(1)}_{fax} + Q^{(2)}_{fax} + Q^{(2)}_{fbx} - Q^{(1)}_{px} - Q^{(4)}_{px}$$

$$G_{xyxx} = G^{(1)}_{dxy} + 2G^{(2)}_{dxy} - G^{(3)}_{dxy} + G^{(1)}_{gaz} - G^{(1)}_{gbz} + 2Q^{(1)}_{faz} - 2Q^{(1)}_{fbz} - 2Q^{(1)}_{pz}$$

$$G_{xyyy} = G^{(1)}_{dxy} + 2G^{(2)}_{dxy} - G^{(3)}_{dxy} - G^{(1)}_{gaz} - G^{(1)}_{gbz} - 2Q^{(1)}_{faz} - 2Q^{(1)}_{fbz} + 2Q^{(1)}_{pz}$$

$$G_{xyzz} = G^{(1)}_{dxy} - G^{(3)}_{dxy} + 2G^{(1)}_{gbz} + 4Q^{(1)}_{fbz}$$

$$G_{xyzx} = G^{(2)}_{dyz} + G^{(5)}_{dyz} + 2G^{(1)}_{gbx} + 4Q^{(1)}_{fax} - Q^{(2)}_{fax} + Q^{(2)}_{fbx} + Q^{(1)}_{px} + Q^{(4)}_{px}$$

$$G_{xyxz} = G^{(2)}_{dyz} - G^{(5)}_{dyz} + 2G^{(1)}_{gbx} + 4Q^{(1)}_{fax} + Q^{(2)}_{fax} - Q^{(2)}_{fbx} + Q^{(1)}_{px} - Q^{(4)}_{px}$$

* Rank 4 tensor (a).

$$\begin{bmatrix} G_{yzxx} & G_{yzyy} & G_{yzzz} & 0 & G_{yzzx} & 0 & 0 & G_{yzxz} & 0 \\ 0 & 0 & 0 & G_{zxyz} & 0 & G_{zxxy} & G_{zxzy} & 0 & G_{zxyx} \\ G_{xyxx} & G_{xyyy} & G_{xyzz} & 0 & G_{xyzx} & 0 & 0 & G_{xyxz} & 0 \end{bmatrix}$$

$$G_{yzxx} = 2Q_{fax}^{(3)} + Q_{px}^{(5)} + 2Q_{px}^{(6)}$$

$$G_{yzyy} = -2G_{dyz}^{(6)} - Q_{fax}^{(3)} + Q_{fbx}^{(3)} + Q_{px}^{(5)}$$

$$G_{yzzz} = 2G_{dyz}^{(6)} - Q_{fax}^{(3)} - Q_{fbx}^{(3)} + Q_{px}^{(5)}$$

$$G_{yzzx} = 2G_{dxy}^{(4)} + G_{dxy}^{(6)} - Q_{faz}^{(3)} + Q_{fbz}^{(3)} - Q_{pz}^{(2)} + Q_{pz}^{(6)}$$

$$G_{yzxz} = -2G_{dxy}^{(4)} + G_{dxy}^{(6)} - Q_{faz}^{(3)} + Q_{fbz}^{(3)} + Q_{pz}^{(2)} + Q_{pz}^{(6)}$$

$$G_{zxyz} = 2G_{dxy}^{(4)} - G_{dxy}^{(6)} - Q_{faz}^{(3)} - Q_{fbz}^{(3)} + Q_{pz}^{(2)} + Q_{pz}^{(6)}$$

$$G_{zxxy} = 2G_{dyz}^{(4)} + G_{dyz}^{(6)} - Q_{fax}^{(3)} + Q_{fbx}^{(3)} - Q_{px}^{(2)} + Q_{px}^{(6)}$$

$$G_{zxzy} = -2G_{dxy}^{(4)} - G_{dxy}^{(6)} - Q_{faz}^{(3)} - Q_{fbz}^{(3)} - Q_{pz}^{(2)} + Q_{pz}^{(6)}$$

$$G_{zxyx} = -2G_{dyz}^{(4)} + G_{dyz}^{(6)} - Q_{fax}^{(3)} + Q_{fbx}^{(3)} + Q_{px}^{(2)} + Q_{px}^{(6)}$$

$$G_{xyxx} = -2G_{dxy}^{(6)} - Q_{faz}^{(3)} + Q_{fbz}^{(3)} + Q_{pz}^{(5)}$$

$$G_{xyyy} = 2G_{dxy}^{(6)} - Q_{faz}^{(3)} - Q_{fbz}^{(3)} + Q_{pz}^{(5)}$$

$$G_{xyzz} = 2Q_{faz}^{(3)} + Q_{pz}^{(5)} + 2Q_{pz}^{(6)}$$

$$G_{xyzx} = 2G_{dyz}^{(4)} - G_{dyz}^{(6)} - Q_{fax}^{(3)} - Q_{fbx}^{(3)} + Q_{px}^{(2)} + Q_{px}^{(6)}$$

$$G_{xyxz} = -2G_{dyz}^{(4)} - G_{dyz}^{(6)} - Q_{fax}^{(3)} - Q_{fbx}^{(3)} - Q_{px}^{(2)} + Q_{px}^{(6)}$$

* Rank 4 tensor (t).

$$\begin{bmatrix}
0 & G_{xxxy} & 0 \\
G_{yyyx} & 0 & G_{yyyz} \\
0 & G_{zzzy} & 0 \\
0 & G_{yyzy} & 0 \\
0 & G_{zzxy} & 0 \\
G_{xxyx} & 0 & G_{xxyz} \\
G_{yzzx} & 0 & G_{yzzz} \\
0 & G_{zxxy} & 0 \\
0 & G_{xyyy} & 0 \\
-\frac{G_{yyyz}}{2} + \frac{G_{yyzy}}{2} + G_{zxxy} & 0 & \frac{G_{xxxy}}{2} - \frac{G_{xxyx}}{2} + G_{xyyy} - G_{yyyx} + G_{zzxy}
\end{bmatrix}$$

$$G_{xxxy} = G_{dxy}^{(1)} + 2G_{dxy}^{(2)} + G_{dxy}^{(3)} - 2G_{dxy}^{(5)} + G_{gaz}^{(1)} - G_{gbz}^{(1)}$$

$$G_{yyyx} = G_{dxy}^{(1)} + 2G_{dxy}^{(2)} + G_{dxy}^{(3)} - 2G_{dxy}^{(5)} - G_{gaz}^{(1)} - G_{gbz}^{(1)}$$

$$G_{yyyz} = G_{dyz}^{(1)} + 2G_{dyz}^{(2)} + G_{dyz}^{(3)} - 2G_{dyz}^{(5)} + G_{gax}^{(1)} - G_{gbx}^{(1)}$$

$$G_{zzzy} = G_{dyz}^{(1)} + 2G_{dyz}^{(2)} + G_{dyz}^{(3)} - 2G_{dyz}^{(5)} - G_{gax}^{(1)} - G_{gbx}^{(1)}$$

$$G_{yyzy} = G_{dyz}^{(1)} + 2G_{dyz}^{(2)} + G_{dyz}^{(3)} + 2G_{dyz}^{(5)} + G_{gax}^{(1)} - G_{gbx}^{(1)}$$

$$G_{zzxy} = G_{dxy}^{(1)} + G_{dxy}^{(3)} + 2G_{gbz}^{(1)}$$

$$G_{xxyx} = G_{dxy}^{(1)} + 2G_{dxy}^{(2)} + G_{dxy}^{(3)} + 2G_{dxy}^{(5)} + G_{gaz}^{(1)} - G_{gbz}^{(1)}$$

$$G_{xxyz} = G_{dyz}^{(1)} + G_{dyz}^{(3)} + 2G_{gbx}^{(1)}$$

$$G_{yzzx} = G_{dxy}^{(2)} - G_{dxy}^{(5)} + 2G_{gbz}^{(1)}$$

$$G_{yzzz} = G_{dyz}^{(1)} + 2G_{dyz}^{(2)} - G_{dyz}^{(3)} - G_{gax}^{(1)} - G_{gbx}^{(1)}$$

$$G_{zxxy} = G_{dyz}^{(2)} - G_{dyz}^{(5)} + 2G_{gbx}^{(1)}$$

$$G_{xyyy} = G_{dxy}^{(1)} + 2G_{dxy}^{(2)} - G_{dxy}^{(3)} - G_{gaz}^{(1)} - G_{gbz}^{(1)}$$