

$$\begin{pmatrix}
 0 & \frac{n_y}{\sqrt{3}} & \frac{n_z}{\sqrt{3}} & \frac{n_x}{\sqrt{3}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 \frac{n_y}{\sqrt{3}} & 0 & 0 & 0 & \frac{n_x}{\sqrt{5}} & \frac{n_z}{\sqrt{5}} & -\frac{n_y}{\sqrt{15}} & 0 & -\frac{n_y}{\sqrt{5}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 \frac{n_z}{\sqrt{3}} & 0 & 0 & 0 & 0 & \frac{n_y}{\sqrt{5}} & \frac{2 n_z}{\sqrt{15}} & \frac{n_x}{\sqrt{5}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 \frac{n_x}{\sqrt{3}} & 0 & 0 & 0 & \frac{n_y}{\sqrt{5}} & 0 & -\frac{n_x}{\sqrt{15}} & \frac{n_z}{\sqrt{5}} & \frac{n_x}{\sqrt{5}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 0 & \frac{n_x}{\sqrt{5}} & 0 & \frac{n_y}{\sqrt{5}} & 0 & 0 & 0 & 0 & 0 & \sqrt{\frac{3}{14}} n_x & \frac{n_z}{\sqrt{7}} & -\frac{n_x}{\sqrt{70}} & 0 & -\frac{n_y}{\sqrt{70}} & 0 & -\sqrt{\frac{3}{14}} n_y \\
 0 & \frac{n_z}{\sqrt{5}} & \frac{n_y}{\sqrt{5}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{n_x}{\sqrt{7}} & 2\sqrt{\frac{2}{35}} n_z & -\sqrt{\frac{3}{35}} n_y & 0 & -\frac{n_y}{\sqrt{7}} & 0 \\
 0 & -\frac{n_y}{\sqrt{15}} & \frac{2 n_z}{\sqrt{15}} & -\frac{n_x}{\sqrt{15}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{\frac{6}{35}} n_y & \frac{3 n_z}{\sqrt{35}} & \sqrt{\frac{6}{35}} n_x & 0 & 0 \\
 0 & 0 & \frac{n_x}{\sqrt{5}} & \frac{n_z}{\sqrt{5}} & 0 & 0 & 0 & 0 & 0 & 0 & \frac{n_y}{\sqrt{7}} & 0 & -\sqrt{\frac{3}{35}} n_x & 2\sqrt{\frac{2}{35}} n_z & \frac{n_x}{\sqrt{7}} & 0 \\
 0 & -\frac{n_y}{\sqrt{5}} & 0 & \frac{n_x}{\sqrt{5}} & 0 & 0 & 0 & 0 & 0 & \sqrt{\frac{3}{14}} n_y & 0 & \frac{n_y}{\sqrt{70}} & 0 & -\frac{n_x}{\sqrt{70}} & \frac{n_z}{\sqrt{7}} & \sqrt{\frac{3}{14}} n_x \\
 0 & 0 & 0 & 0 & \sqrt{\frac{3}{14}} n_x & 0 & 0 & 0 & \sqrt{\frac{3}{14}} n_y & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 0 & 0 & 0 & 0 & \frac{n_z}{\sqrt{7}} & \frac{n_x}{\sqrt{7}} & 0 & \frac{n_y}{\sqrt{7}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 0 & 0 & 0 & 0 & -\frac{n_x}{\sqrt{70}} & 2\sqrt{\frac{2}{35}} n_z & \sqrt{\frac{6}{35}} n_y & 0 & \frac{n_y}{\sqrt{70}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 0 & 0 & 0 & 0 & 0 & -\sqrt{\frac{3}{35}} n_y & \frac{3 n_z}{\sqrt{35}} & -\sqrt{\frac{3}{35}} n_x & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 0 & 0 & 0 & 0 & -\frac{n_y}{\sqrt{70}} & 0 & \sqrt{\frac{6}{35}} n_x & 2\sqrt{\frac{2}{35}} n_z & -\frac{n_x}{\sqrt{70}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 0 & 0 & 0 & 0 & 0 & -\frac{n_y}{\sqrt{7}} & 0 & \frac{n_x}{\sqrt{7}} & \frac{n_z}{\sqrt{7}} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 0 & 0 & 0 & 0 & -\sqrt{\frac{3}{14}} n_y & 0 & 0 & 0 & \sqrt{\frac{3}{14}} n_x & 0 & 0 & 0 & 0 & 0 & 0 & 0
 \end{pmatrix}$$