Табл. 1: Сферичні функції в кубічній симетрії ($r^2 = x^2 + y^2 + z^2 = 1$).

$S = \frac{1}{\sqrt{4\pi}} = Y_{00}$	$\sqrt{\frac{3}{4\pi}} \begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} \frac{1}{\sqrt{2}} & 0 & -\frac{1}{\sqrt{2}} \\ -\frac{1}{\sqrt{2}}i & 0 & -\frac{1}{\sqrt{2}}i \\ 0 & 1 & 0 \end{pmatrix} \begin{pmatrix} Y_{11} \\ Y_{10} \\ Y_{1-1} \end{pmatrix}$
$\sqrt{\frac{15}{4\pi}} \begin{pmatrix} yz \\ zx \\ xy \end{pmatrix}$ $\begin{pmatrix} \sqrt{\frac{15}{16\pi}}(x^2 - y^2) \\ \sqrt{\frac{5}{16\pi}}(3z^2 - r^2) \end{pmatrix}$	$= \begin{pmatrix} 0 & -\frac{1}{\sqrt{2}}i & 0 & -\frac{1}{\sqrt{2}}i & 0 \\ 0 & \frac{1}{\sqrt{2}} & 0 & -\frac{1}{\sqrt{2}} & 0 \\ -\frac{1}{\sqrt{2}}i & 0 & 0 & 0 & \frac{1}{\sqrt{2}}i \\ \frac{1}{\sqrt{2}} & 0 & 0 & 0 & \frac{1}{\sqrt{2}} \\ 0 & 0 & 1 & 0 & 0 \end{pmatrix} \begin{pmatrix} Y_{22} \\ Y_{21} \\ Y_{20} \\ Y_{2-1} \\ Y_{2-2} \end{pmatrix}$
$\sqrt{\frac{105}{16\pi}} \begin{pmatrix} x(y^2 - z^2) \\ y(z^2 - x^2) \\ z(x^2 - y^2) \end{pmatrix}$ $\sqrt{\frac{7}{16\pi}} \begin{pmatrix} x(5x^2 - 3r^2) \\ y(5y^2 - 3r^2) \\ z(5z^2 - 3r^2) \end{pmatrix}$ $\sqrt{\frac{105}{4\pi}} xyz$	$= \begin{pmatrix} -\frac{\sqrt{3}}{4} & 0 & -\frac{\sqrt{5}}{4} & 0 & \frac{\sqrt{5}}{4} & 0 & \frac{\sqrt{3}}{4} \\ \frac{\sqrt{3}}{4}i & 0 & -\frac{\sqrt{5}}{4}i & 0 & -\frac{\sqrt{5}}{4}i & 0 & \frac{\sqrt{3}}{4}i \\ 0 & \frac{1}{\sqrt{2}} & 0 & 0 & 0 & \frac{1}{\sqrt{2}} & 0 \\ \frac{\sqrt{5}}{4} & 0 & -\frac{\sqrt{3}}{4} & 0 & \frac{\sqrt{3}}{4} & 0 & -\frac{\sqrt{5}}{4} \\ \frac{\sqrt{5}}{4}i & 0 & \frac{\sqrt{3}}{4}i & 0 & \frac{\sqrt{3}}{4}i & 0 & \frac{\sqrt{5}}{4}i \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & -\frac{1}{\sqrt{2}}i & 0 & 0 & 0 & \frac{1}{\sqrt{2}}i & 0 \end{pmatrix} \begin{pmatrix} Y_{33} \\ Y_{32} \\ Y_{31} \\ Y_{30} \\ Y_{3-1} \\ Y_{3-2} \\ Y_{3-3} \end{pmatrix}$