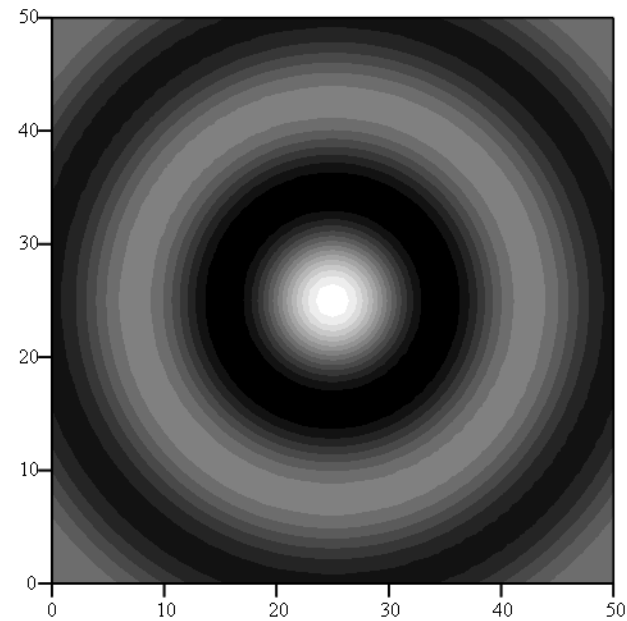
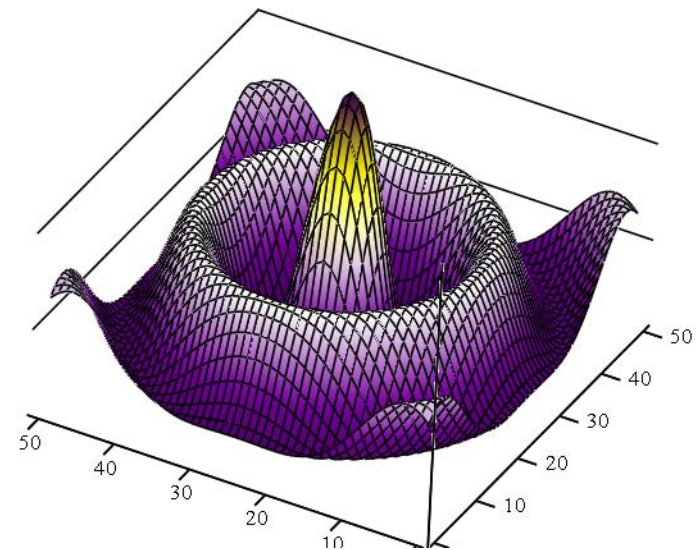


Solutions to the Wave Equation in Cylindrical Coordinates
Snapshots in time. Here $k = a$. Real part displayed

$$\text{Re}(q_0) = \cos(0 \cdot \phi) \cdot J_0(0, \rho)$$

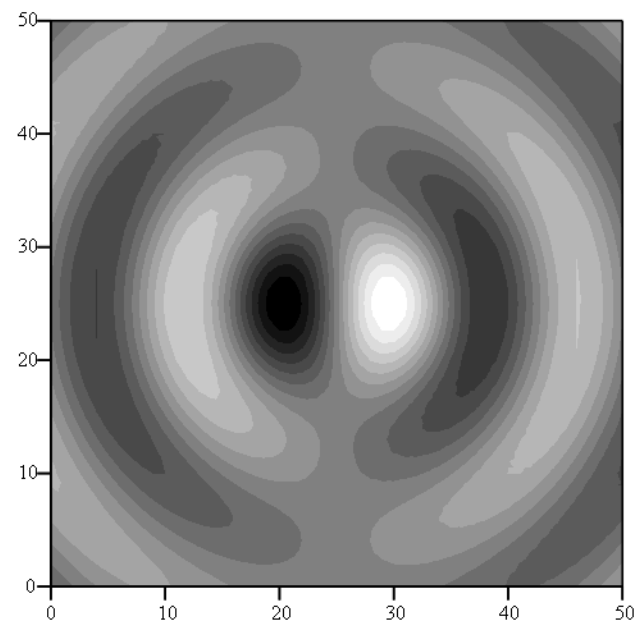


$\text{Re}(q_0)$

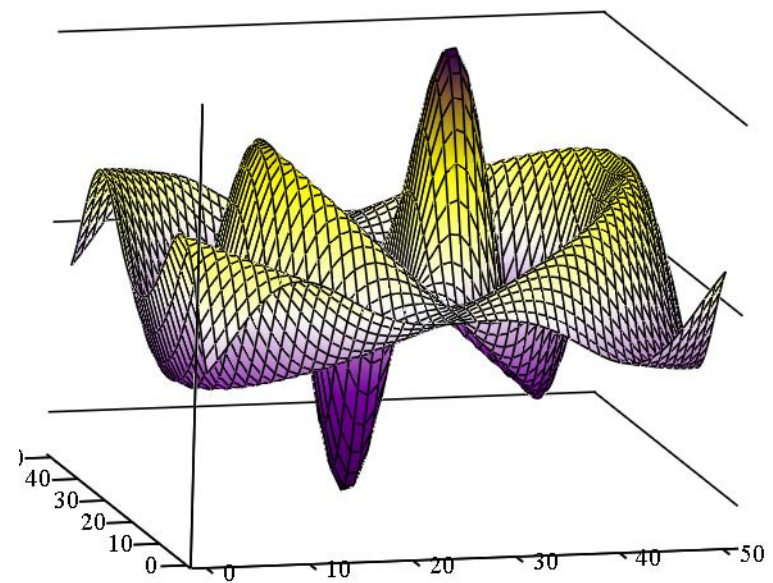


$\text{Re}(q_0)$

$$\text{Re}(q_1) = \cos(1 \cdot \phi) \cdot \text{Jn}(1, \rho)$$

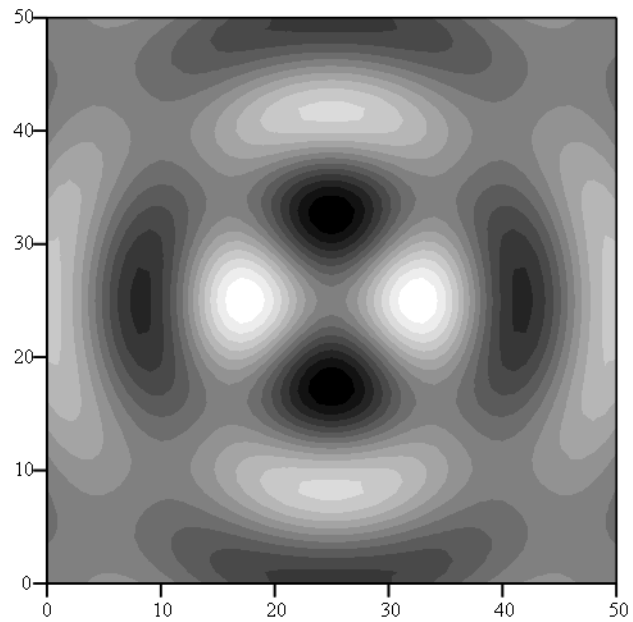


$\text{Re}(q_1)$

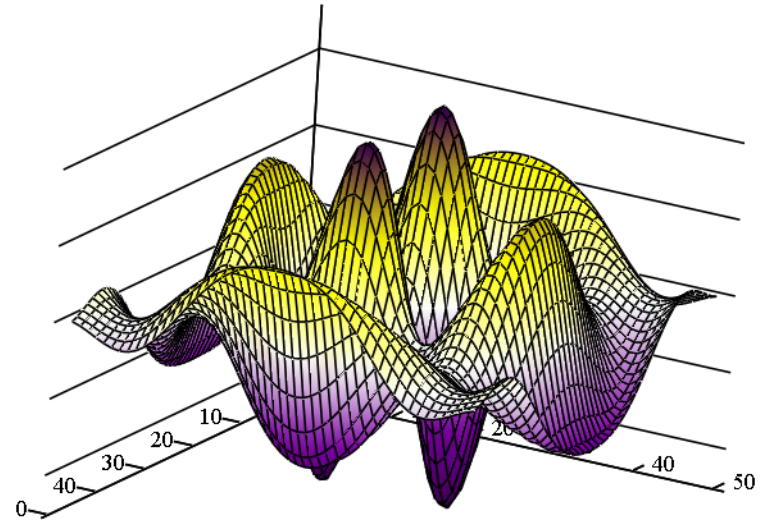


$\text{Re}(q_1)$

$$\text{Re}(q_2) = \cos(2 \cdot \phi) \cdot \text{Jn}(2, \rho)$$



$\text{Re}(q_2)$



$\text{Re}(q_2)$