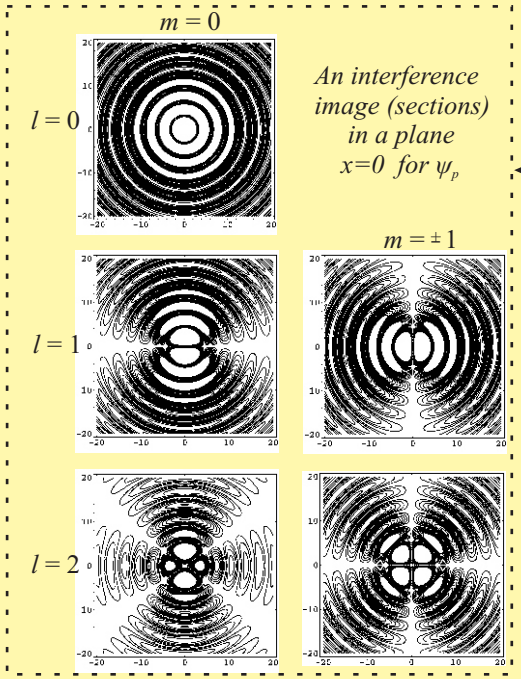
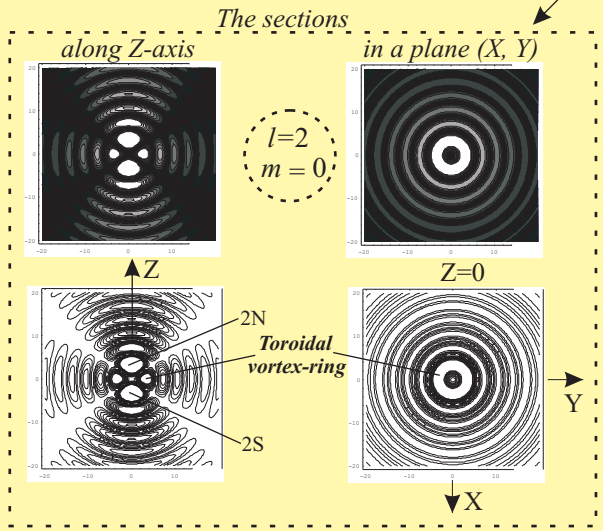
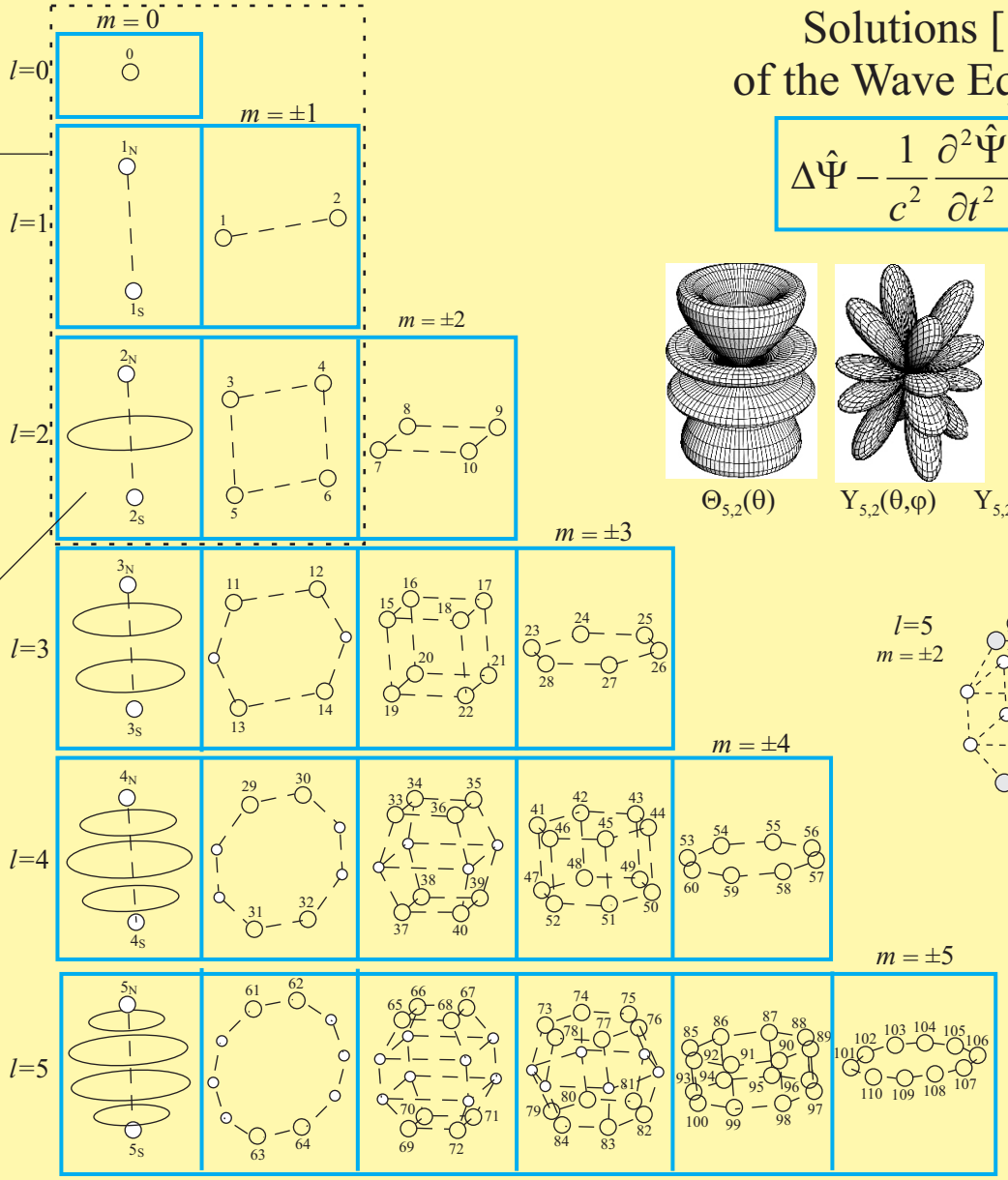
Table of the Nodes



$\Psi_{l,m}(\rho,\theta,\varphi)_p = C_\Psi R_l(\rho)\Theta_{l,m}(\theta)\mathrm{Cos}m\varphi$





"N" and "S" are subscripts designating the "north" and "south" polar nodes (at $m = 0$)

Solutions [1] of the Wave Equation

$$\Delta\hat{\Psi} - \frac{1}{c^2}\frac{\partial^2\hat{\Psi}}{\partial t^2} = 0$$

$\Theta_{5,2}(\theta)$ $Y_{5,2}(\theta,\varphi)$ $Y_{5,2}(\theta,\varphi)$ and $R_{5,2}(r_0)$

[1] G. P. Shpenkov, *The Nodal Structure of Standing Spherical Waves and the Periodic Law*: *What Do They Have in Common*? Physics Essays, Vol. 18, No 2, (2005)

http://shpenkov.janmax.com/nodes.pdf