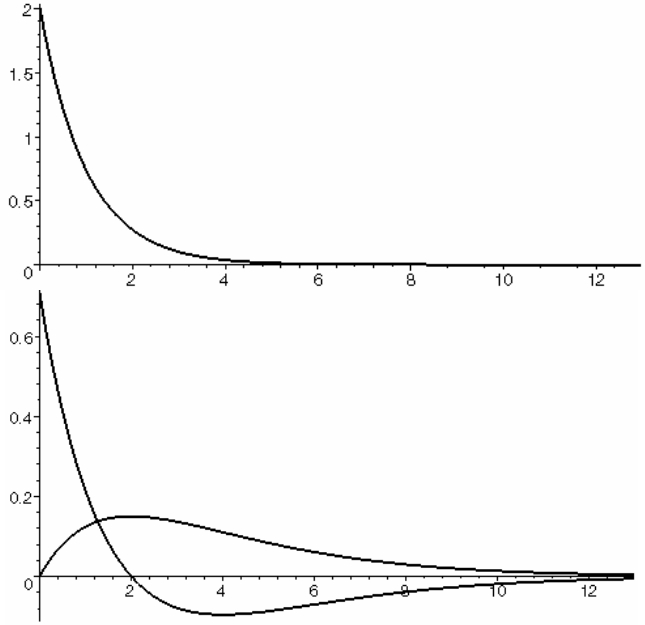
La parte radial de la función

- Normalización de las soluciones $R_{n,l}(r)$: $\int_0^\infty \left|R_{n,l}(r)\right|^2 r^2 dr = 1$
- Algunos casos:

$$R_{1,0}(r) = 2\left(\frac{Z}{a_0}\right)^{3/2} e^{-Z r/a_0}$$

$$R_{2,0}(r) = \frac{1}{\sqrt{2}}\left(\frac{Z}{a_0}\right)^{3/2}\left(1-\frac{Zr}{2a_0}\right)e^{-Z r/2a_0}$$

$$R_{2,1}(r) = \frac{1}{\sqrt{6}}\left(\frac{Z}{a_0}\right)^{3/2}\frac{Zr}{2a_0}e^{-Z r/2a_0}$$



- ~ polinomios de Laguerre