

Legendre Polynomials

Meaning

<http://physics.unl.edu/~tgay/content/multipoles.html>

Encyclopedia

http://en.wikipedia.org/wiki/Legendre_polynomials

<http://mathworld.wolfram.com/LegendrePolynomial.html>

Wolfram Demonstrations

<http://demonstrations.wolfram.com/PlotsOfLegendrePolynomials/>

<http://demonstrations.wolfram.com/PolarPlotsOfLegendrePolynomials/>

<http://demonstrations.wolfram.com/DipoleAntennaRadiationPattern/>

Spherical Harmonics

Meaning

<http://www.bpreid.com/applets/poasDemo.html>

Encyclopedia and Pictures

http://en.wikipedia.org/wiki/Spherical_harmonics

<http://mathworld.wolfram.com/SphericalHarmonic.html>

<http://oak.ucc.nau.edu/jws8/dpgraph/Yellm.html>

Wolfram Demonstrations

<http://demonstrations.wolfram.com/SphericalHarmonics/>

<http://demonstrations.wolfram.com/VisualizingAtomicOrbitals/>