

Spherical Calogero model with oscillator/Coulomb potential: quantum case

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In this talk we consider the quantum mechanics of Calogero models in an oscillator or Coulomb potential on the N -dimensional sphere. Their Hamiltonians are obtained by an appropriate Dunkl deformation of the oscillator/Coulomb system on the sphere. We also find the symmetry generators and compute their algebras. This talk is based on the paper arXiv:1604.00027.