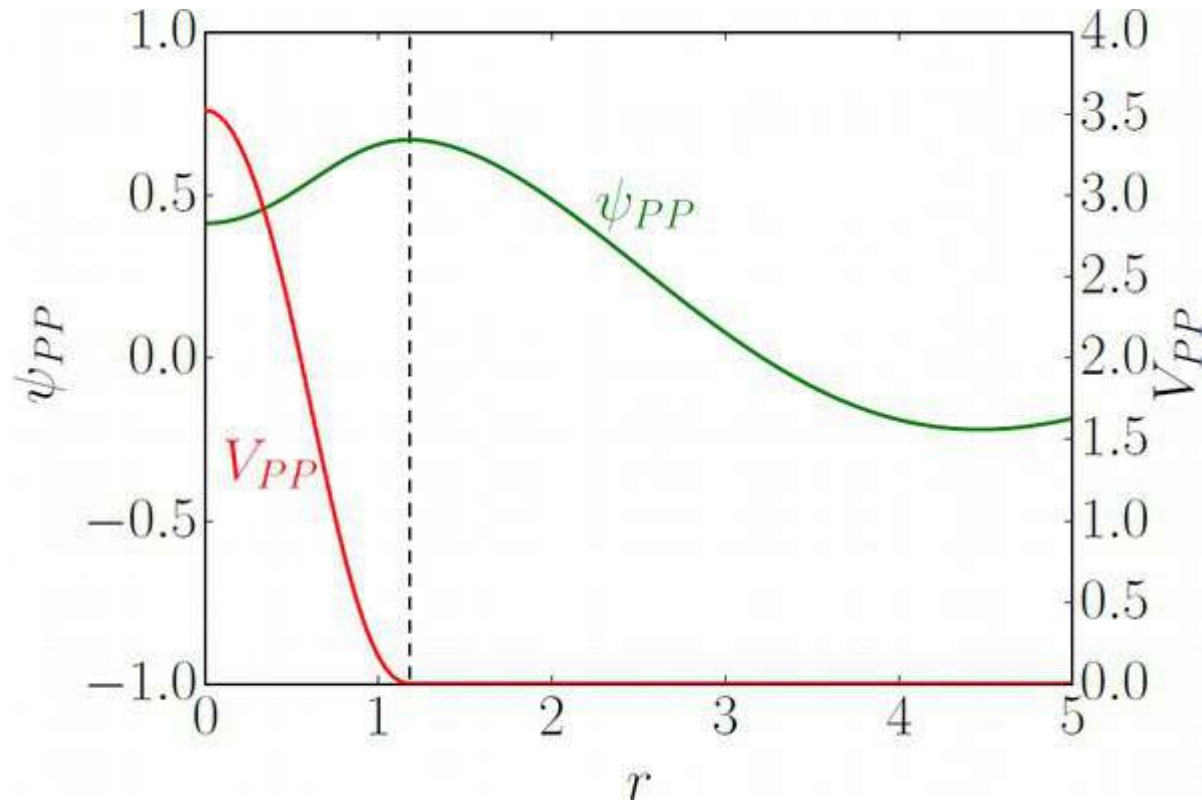


Pseudopotentials reach for the stars

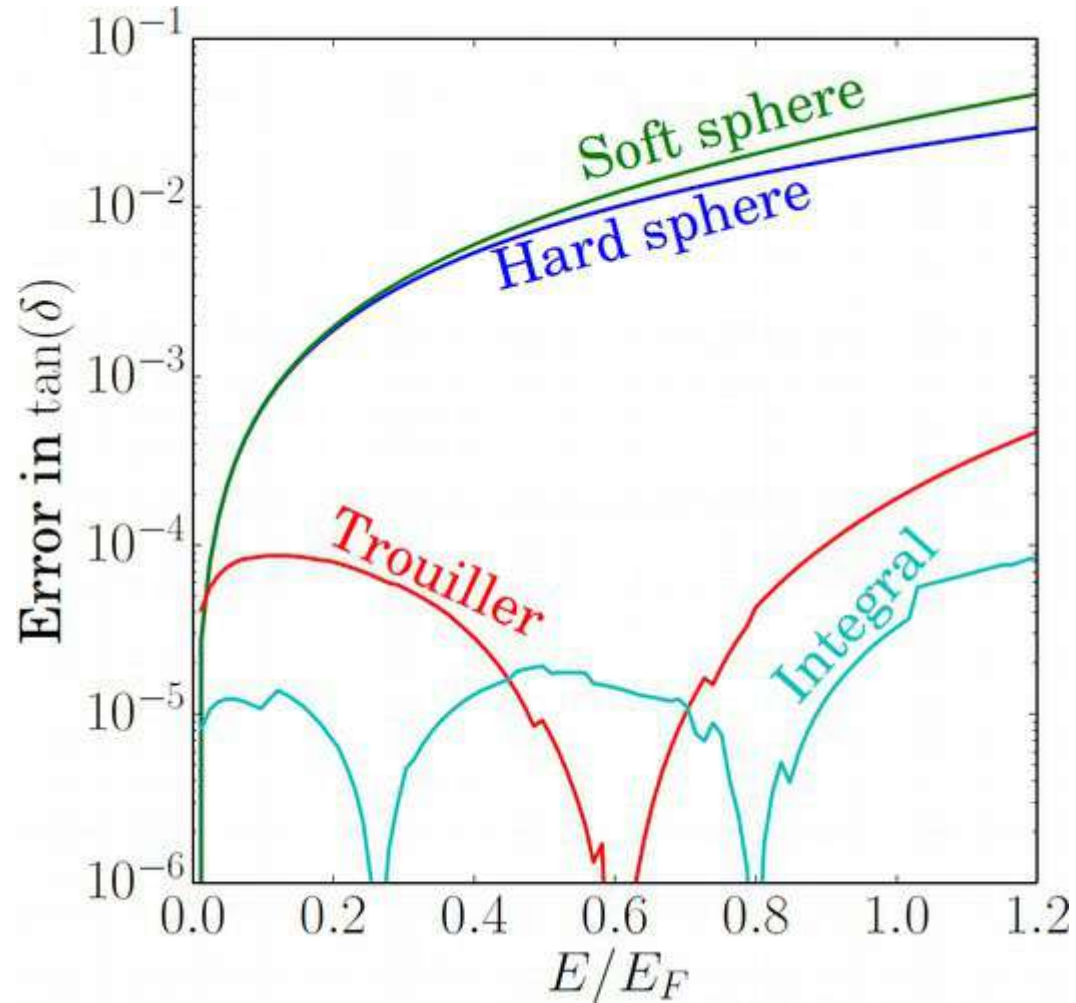
P.O. Bugnion, R.J. Needs, and G.J. Conduit

Theory of Condensed Matter Group, Department of Physics, Cambridge

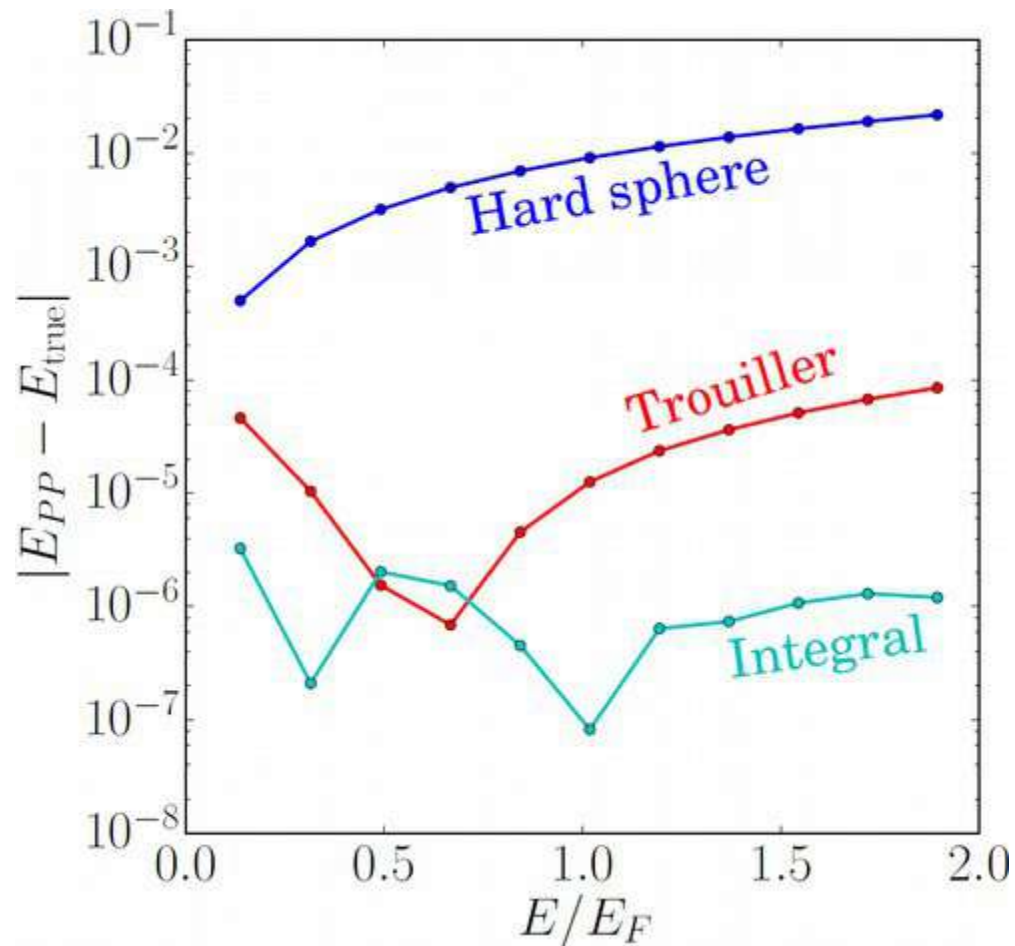
Pseudopotential



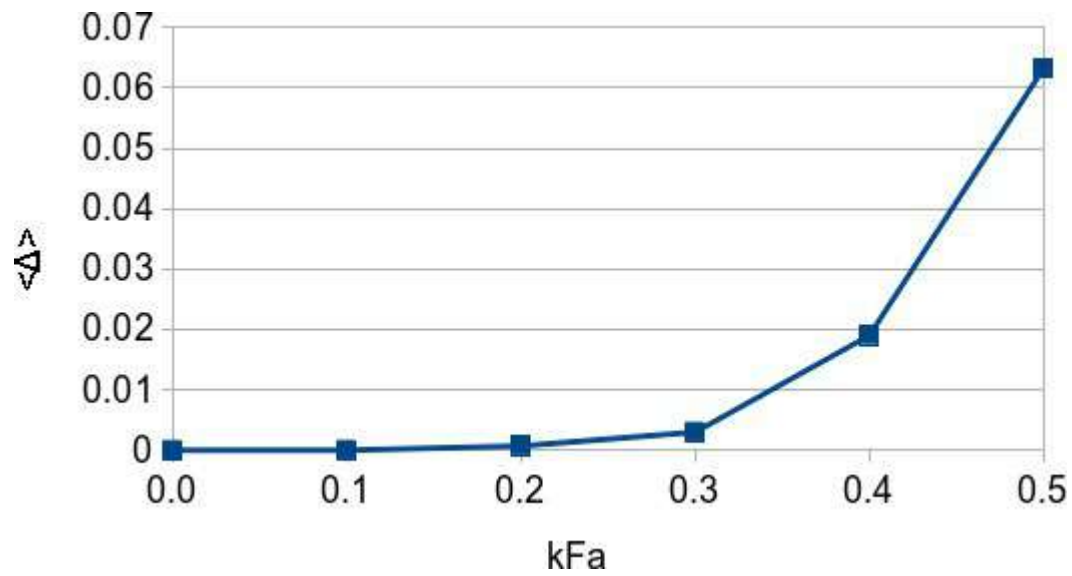
Scattering phase shift



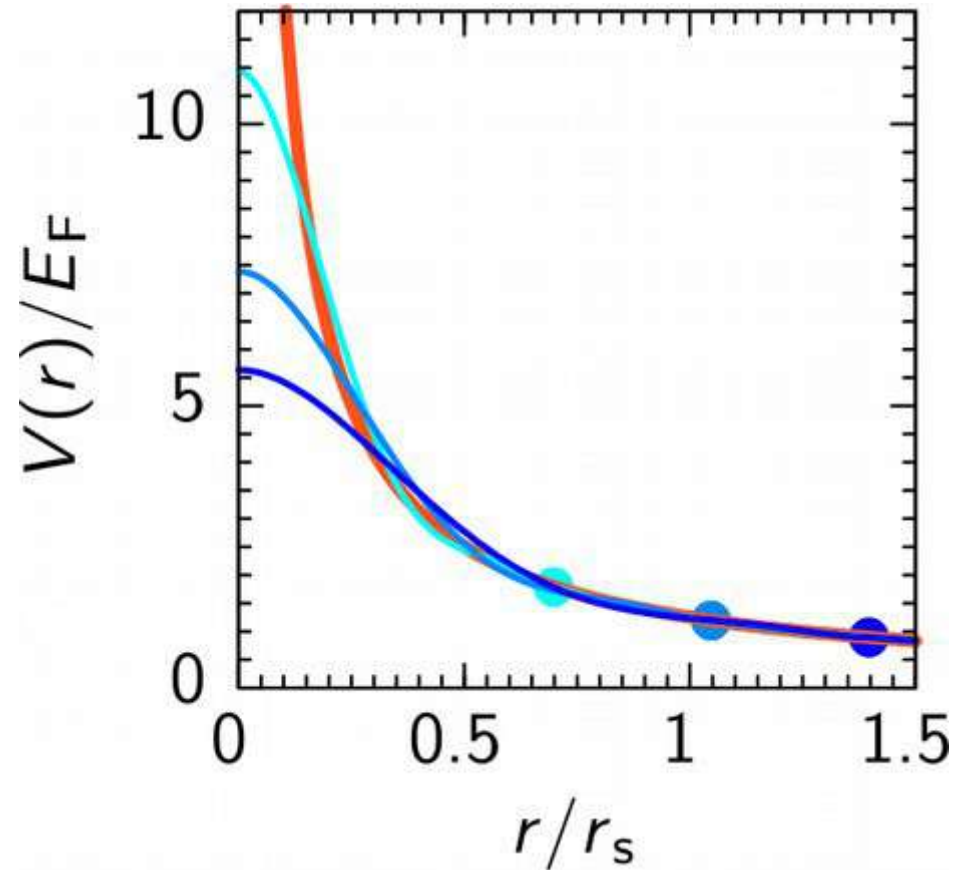
Energy of 2 atoms in a well



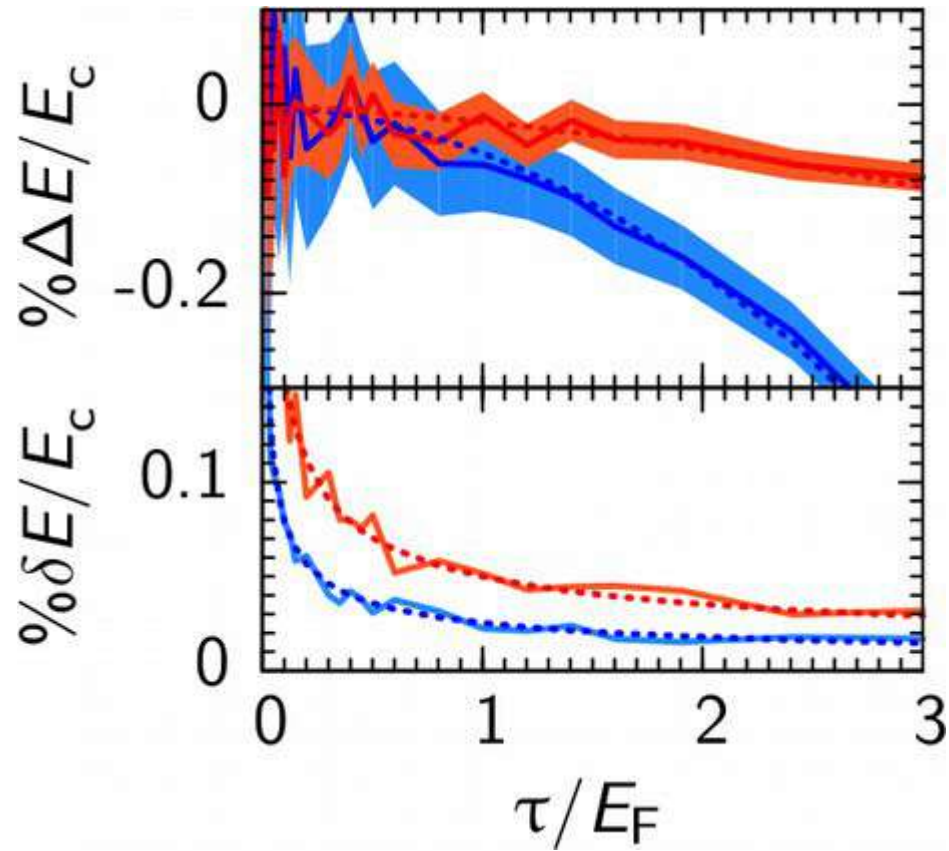
p-wave superconductor



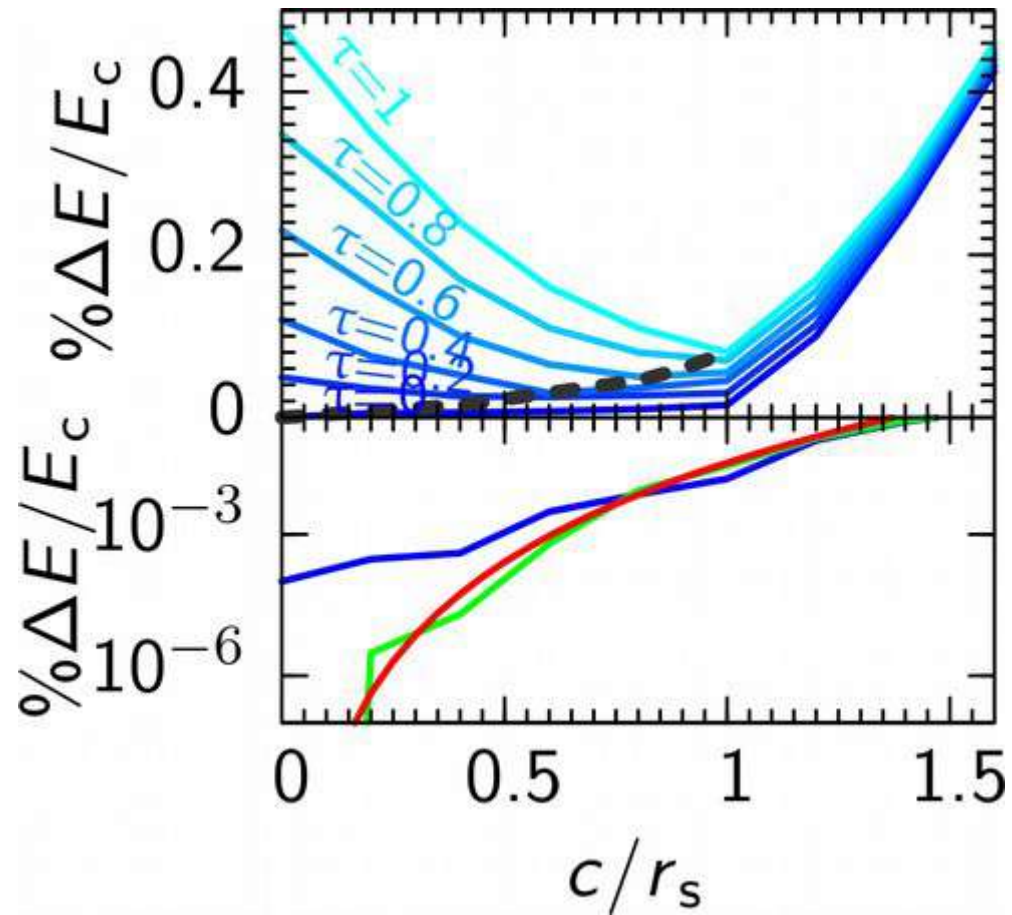
Coulomb pseudopotential



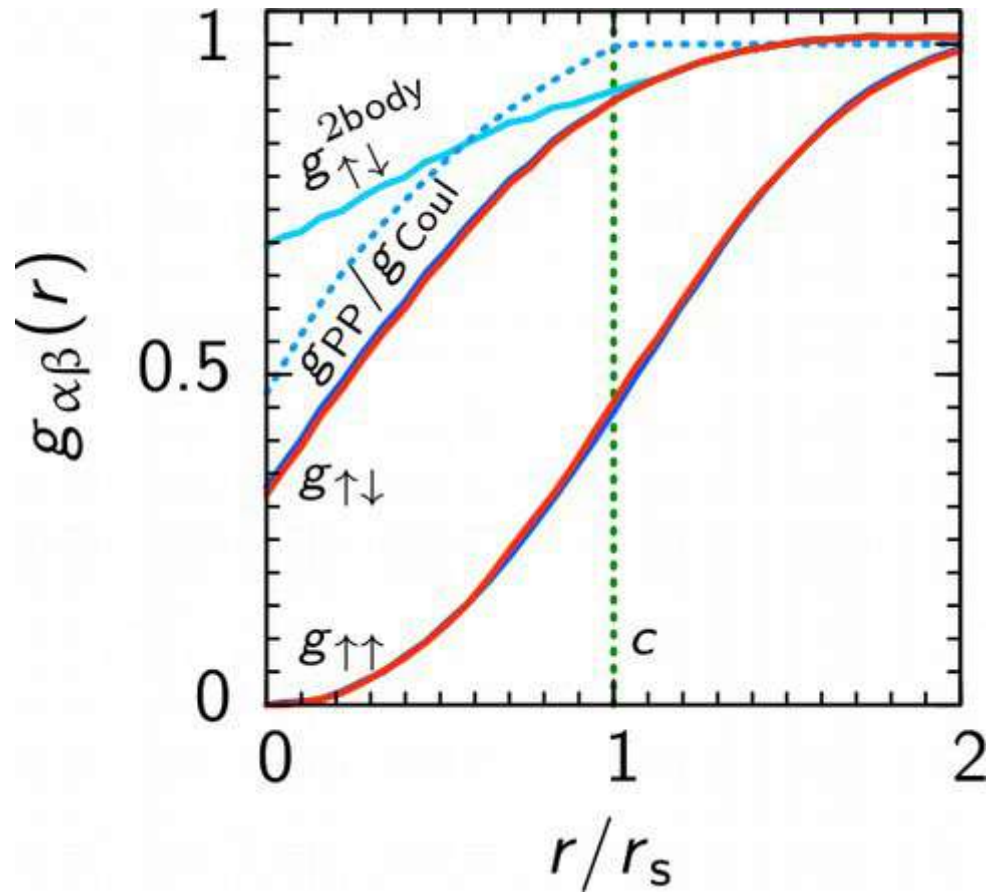
Time step error



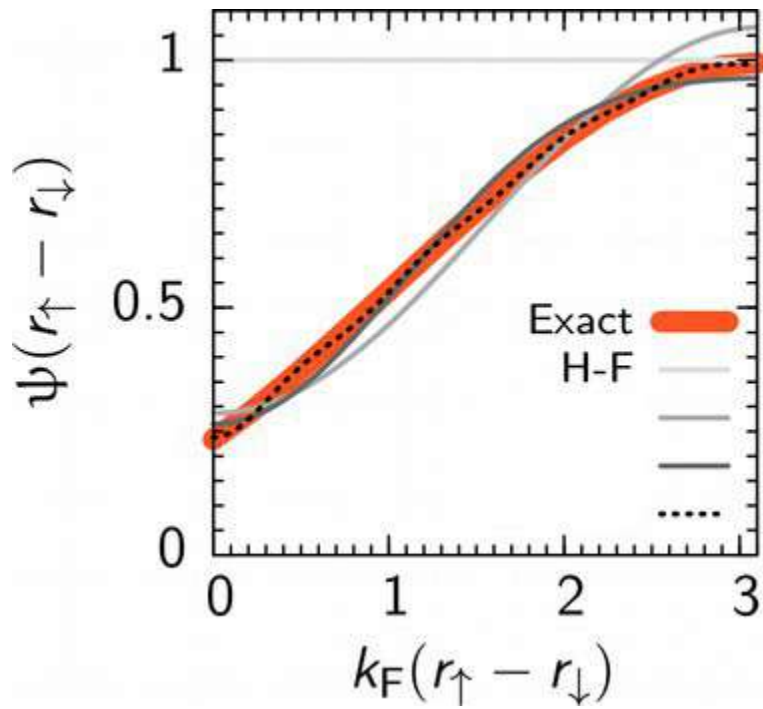
Cutoff radius



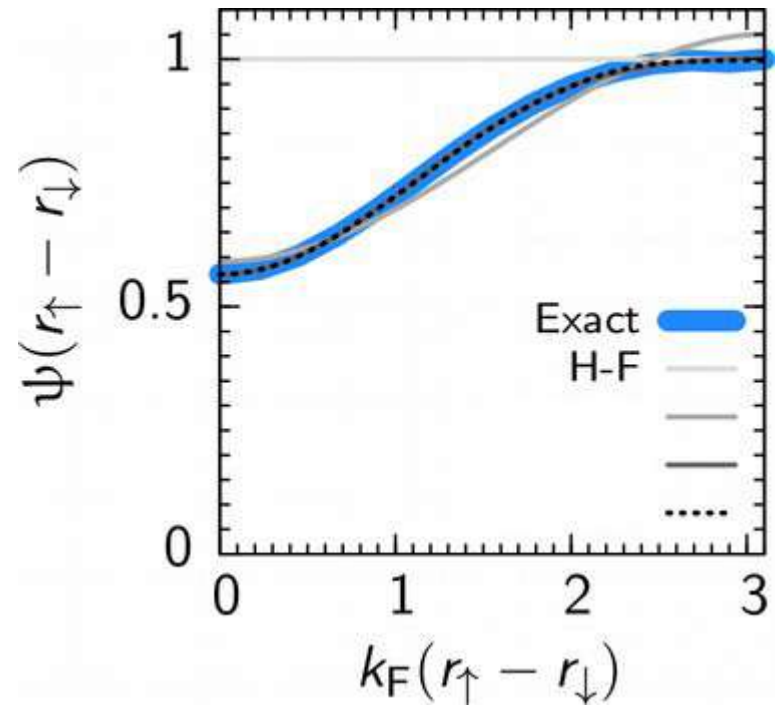
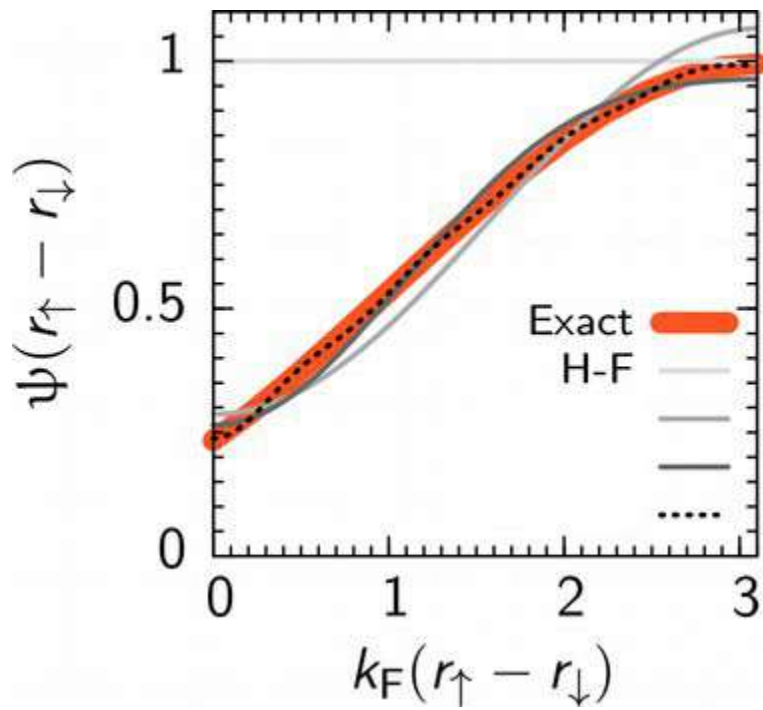
Correlation function



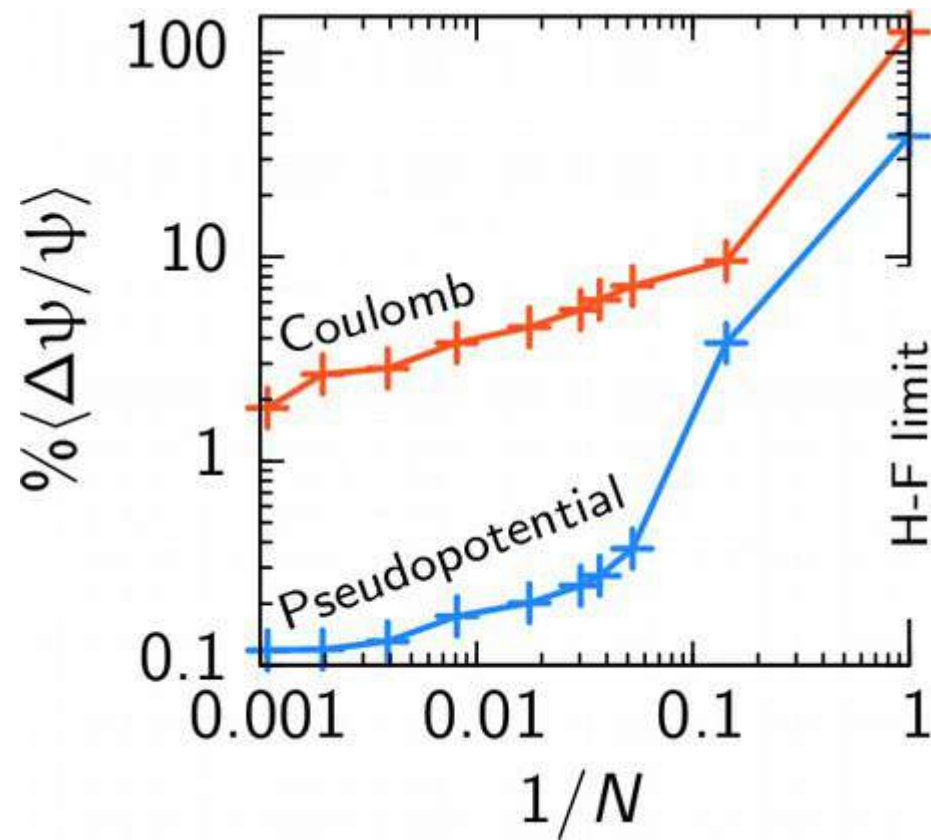
Plane wave basis set error



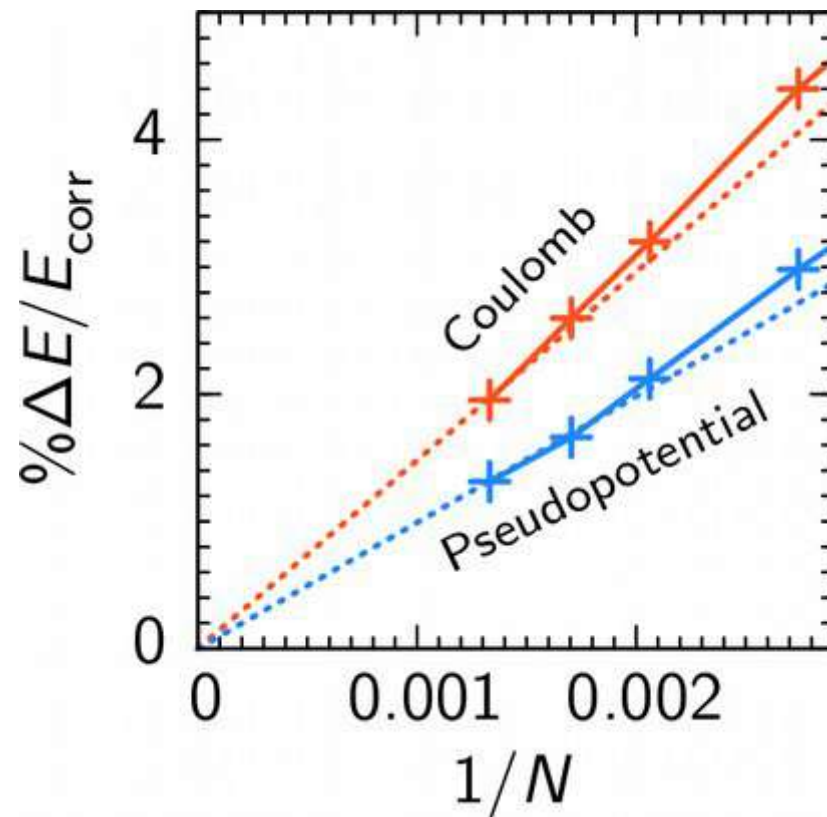
Plane wave basis set error



Basis set size wave function error



Basis set size energy error



Galactic dynamics

