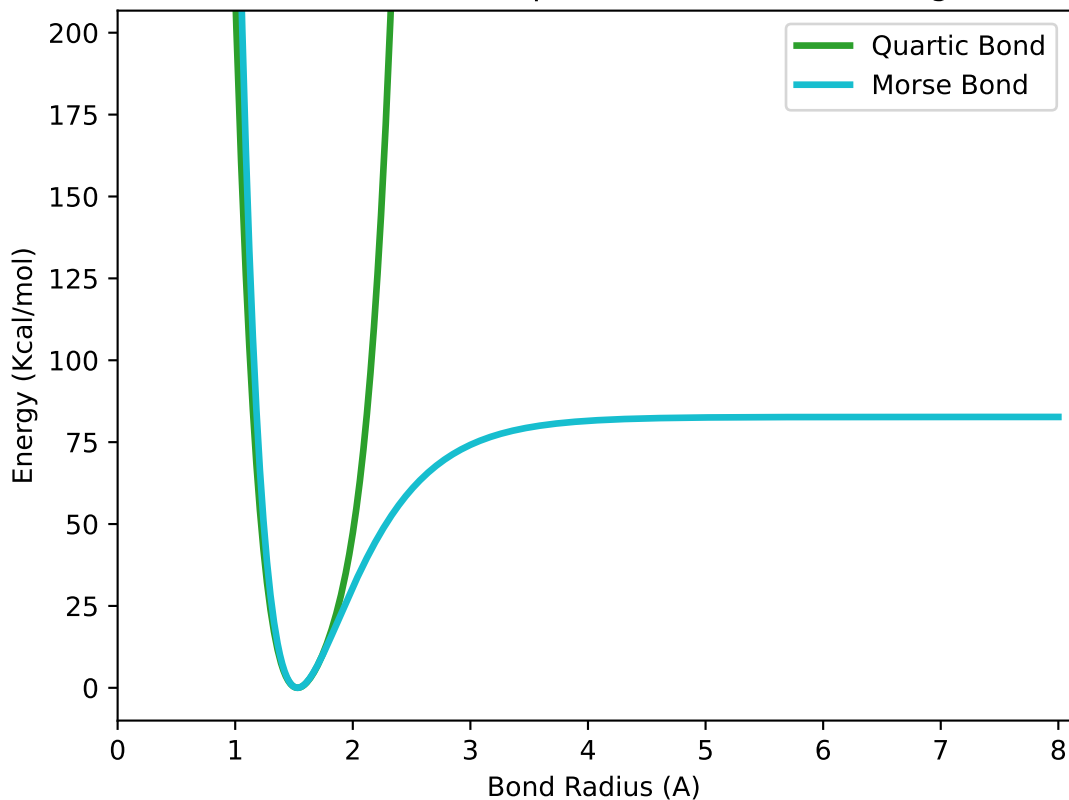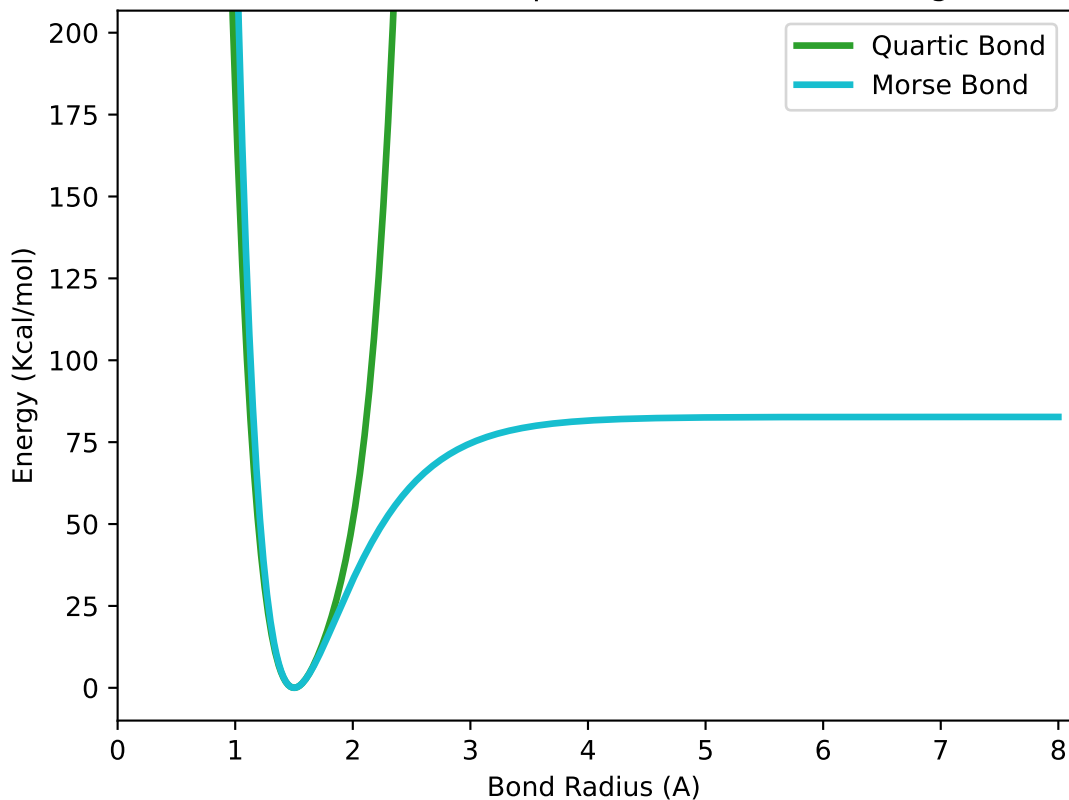Harmonic vs Morse Bond fit for bond coeff 1
C,0,4 - C,0,4   BO: 1.0   parms: file   (element,ring,nb)

Harmonic vs Morse Bond fit for bond coeff 2
C,0,4 - C,6,3 BO: 1.0 parms: file (element,ring,nb)

Harmonic vs Morse Bond fit for bond coeff 3

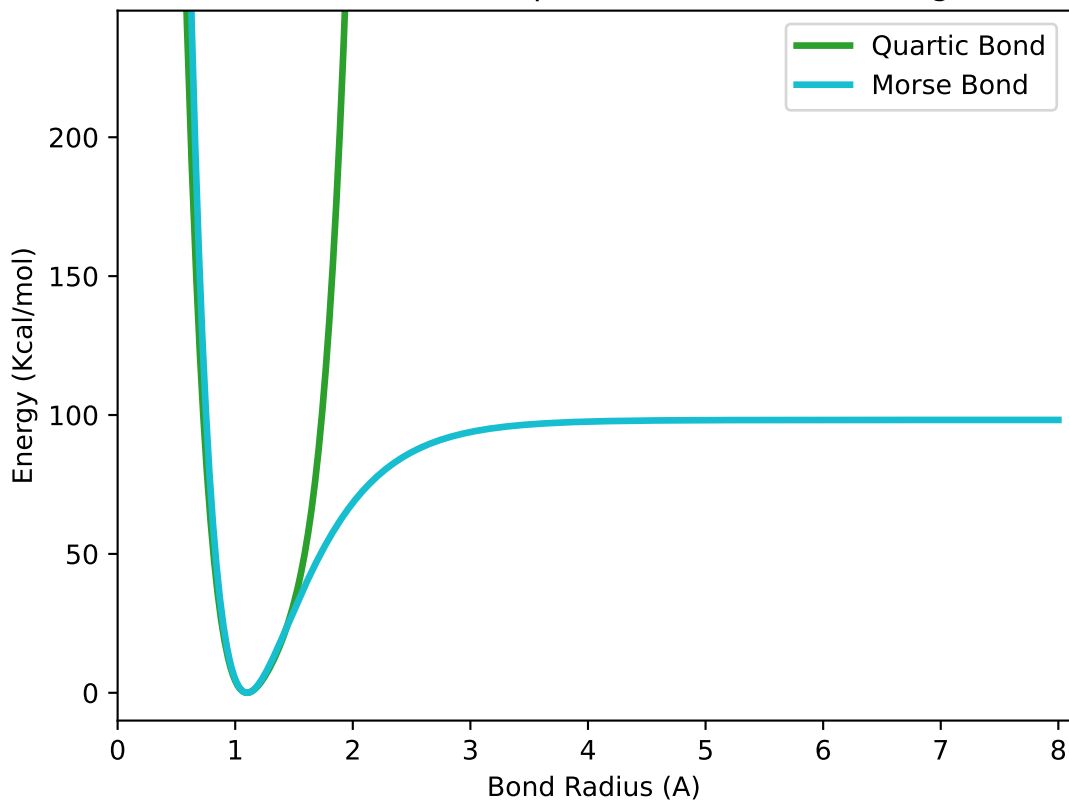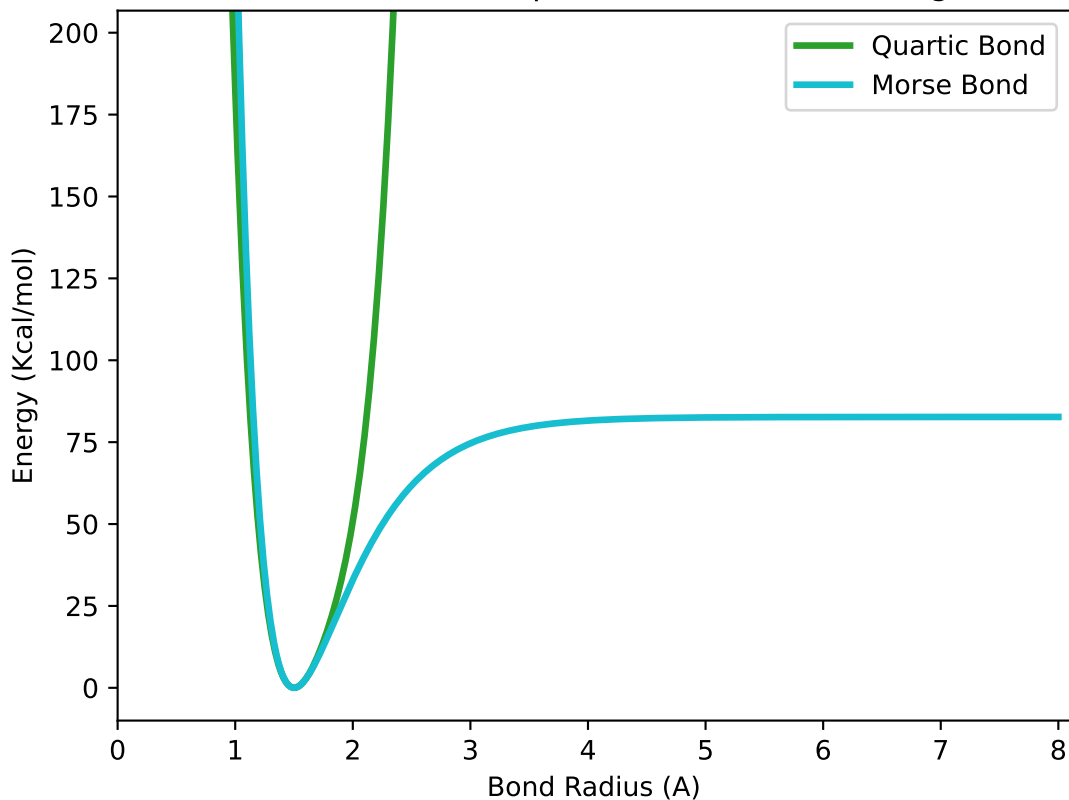C,0,4 - H,0,1 BO: 1.0 parms: file (element,ring,nb)
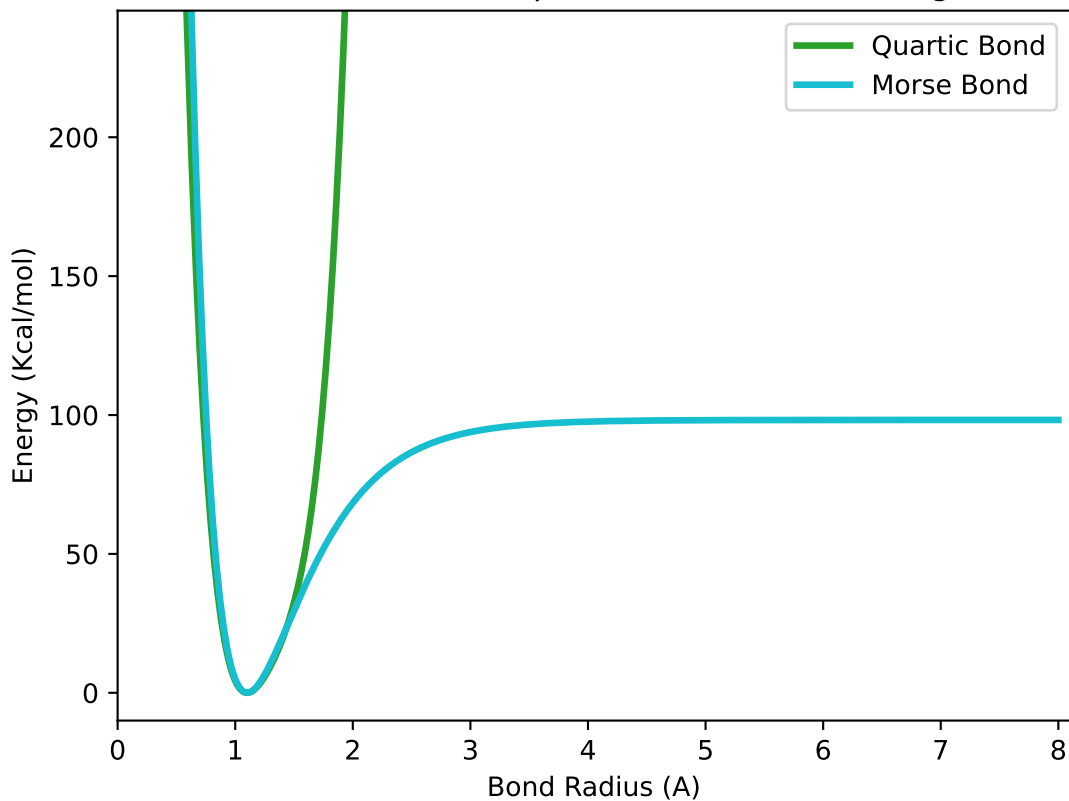
Harmonic vs Morse Bond fit for bond coeff 4

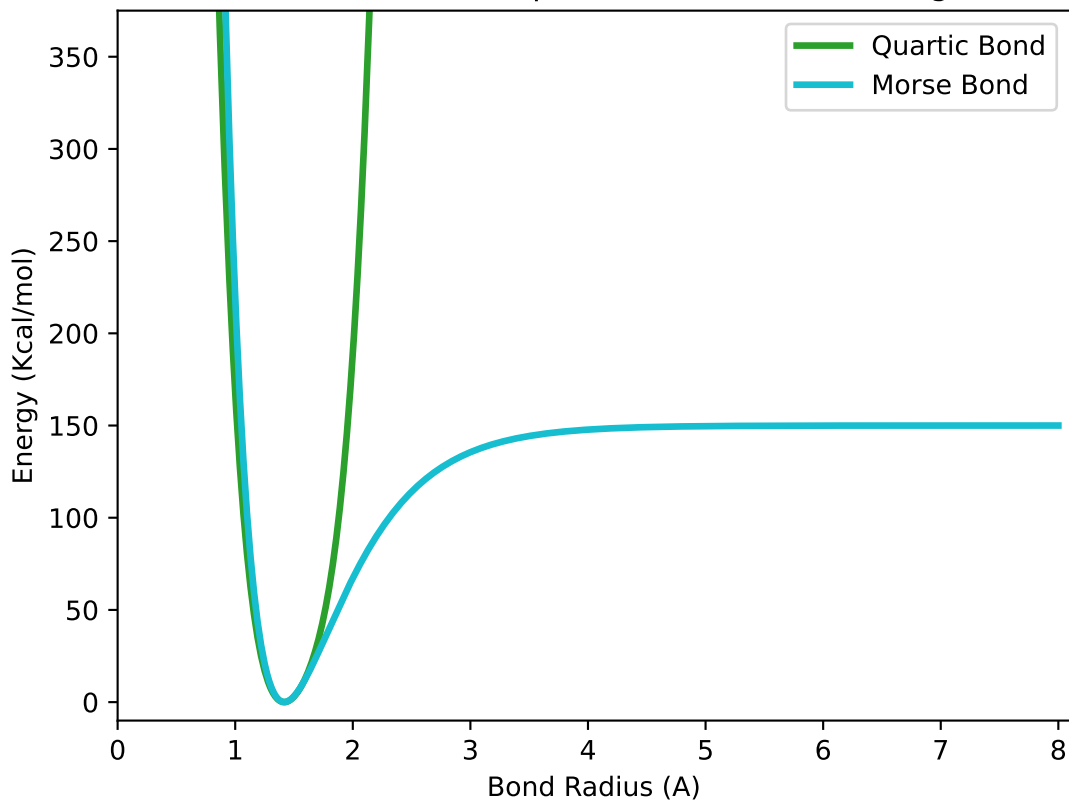C,0,4 - C,6,3 BO: 1.0 parms: file   (element,ring,nb)

Harmonic vs Morse Bond fit for bond coeff 5

C,0,4 - H,0,1 BO: 1.0 parms: file   (element,ring,nb)

Legend:
- Quartic Bond
- Morse Bond

X-axis: Bond Radius (A)
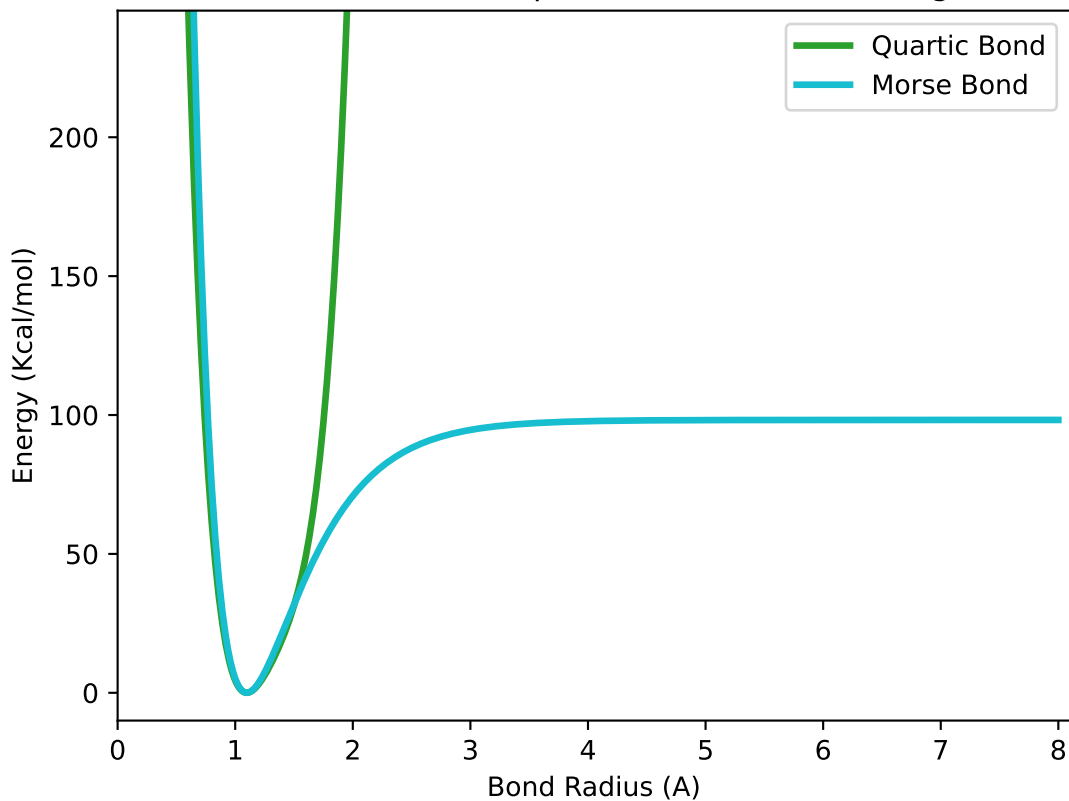Y-axis: Energy (Kcal/mol)

Harmonic vs Morse Bond fit for bond coeff 6

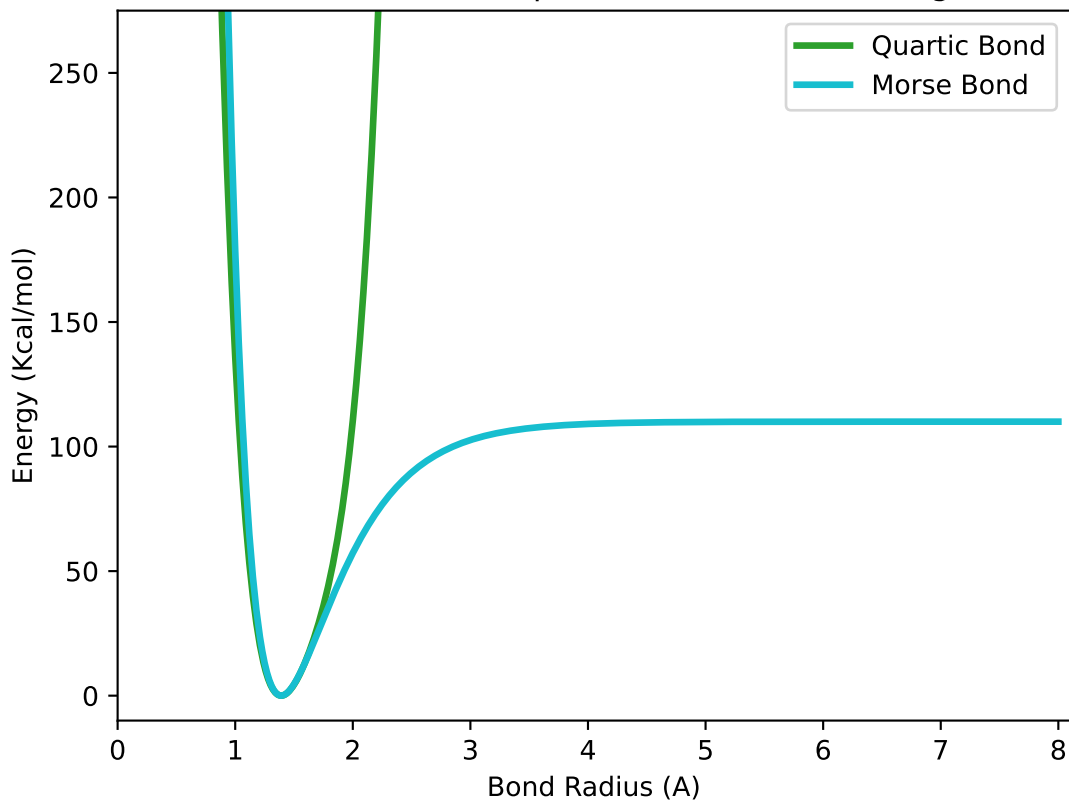C,6,3 - C,6,3 BO: 1.5 parms: file   (element,ring,nb)

Harmonic vs Morse Bond fit for bond coeff 7
C,6,3 - H,0,1 BO: 1.0 parms: file   (element,ring,nb)

Harmonic vs Morse Bond fit for bond coeff 8

C,6,3 - N,0,3   BO: 1.0   parms: file   (element,ring,nb)

Harmonic vs Morse Bond fit for bond coeff 9
H,0,1 - N,0,3 BO: 1.0 parms: file   (element,ring,nb)