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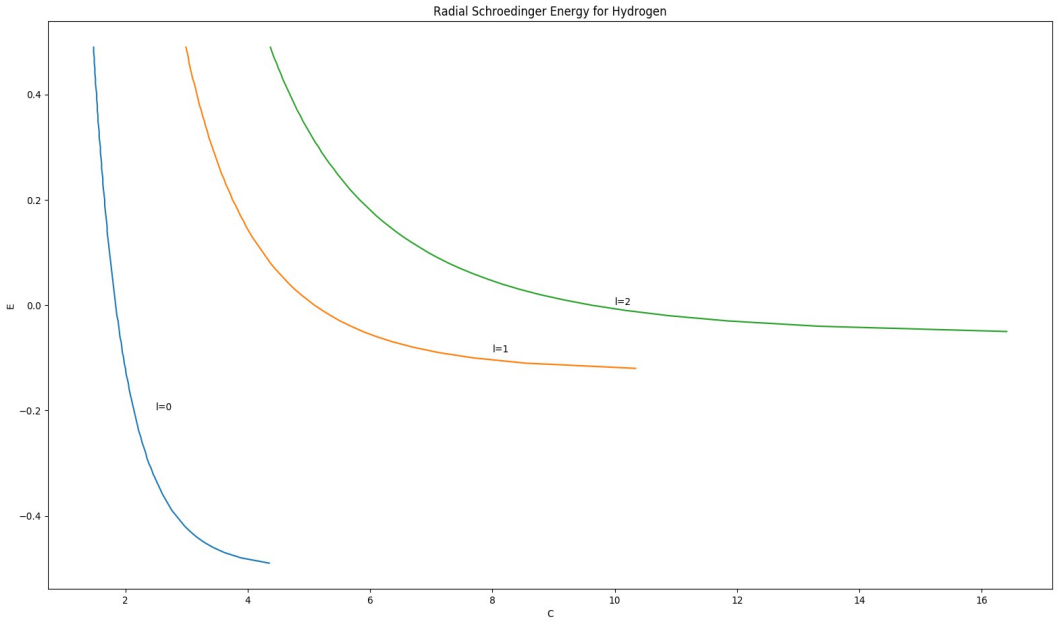
Project #4



The energy in hartrees for the hydrogen atom are:

l=0 : -0.49
l=1: -0.12
l=2: -0.05

I updated the given algorithm because there was a factor of two missing in the g function so the g function I used is: 2 * (l(l +1)/(2*r^2) + (V(r) – E)). This gave me the correct energy values.