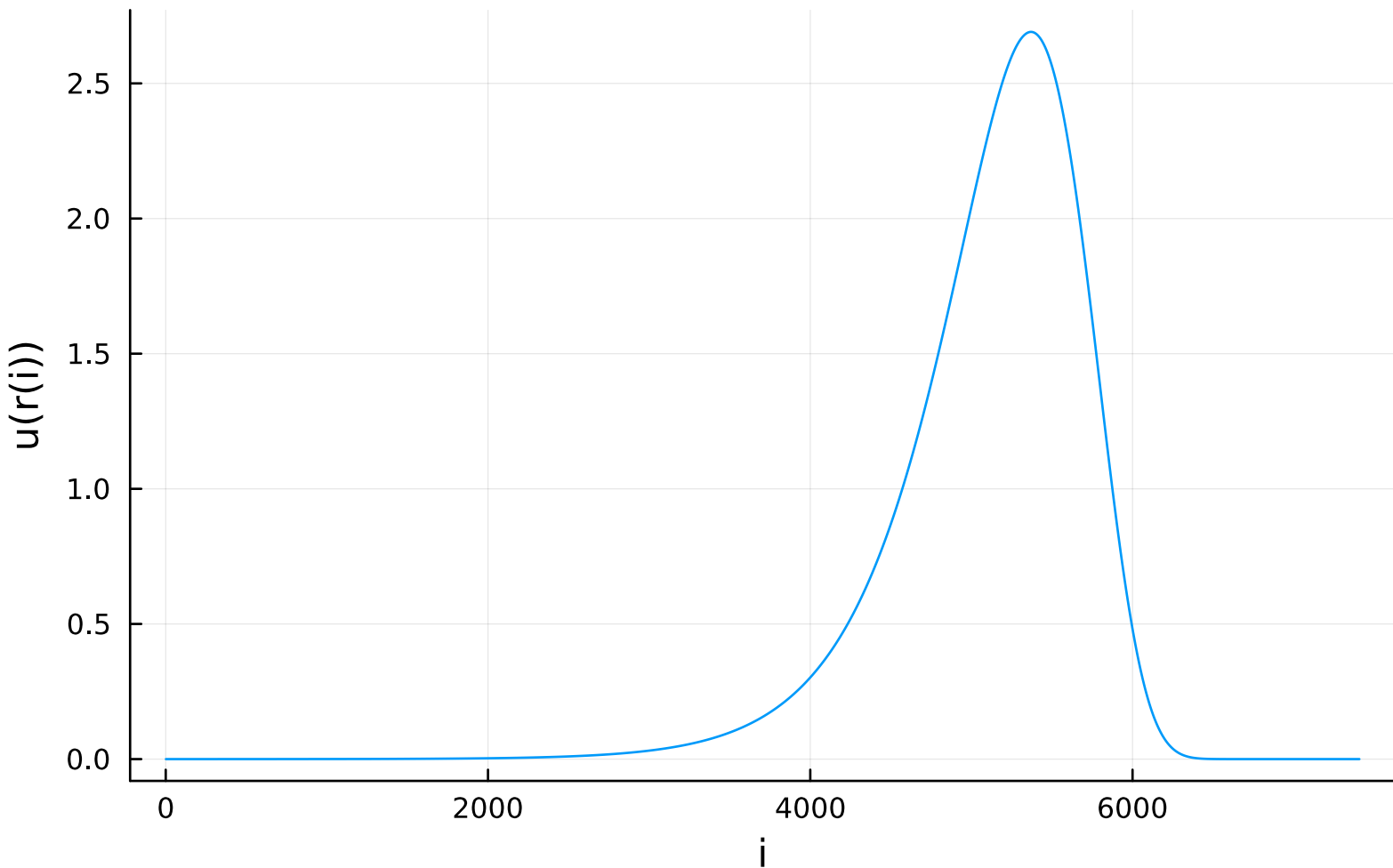
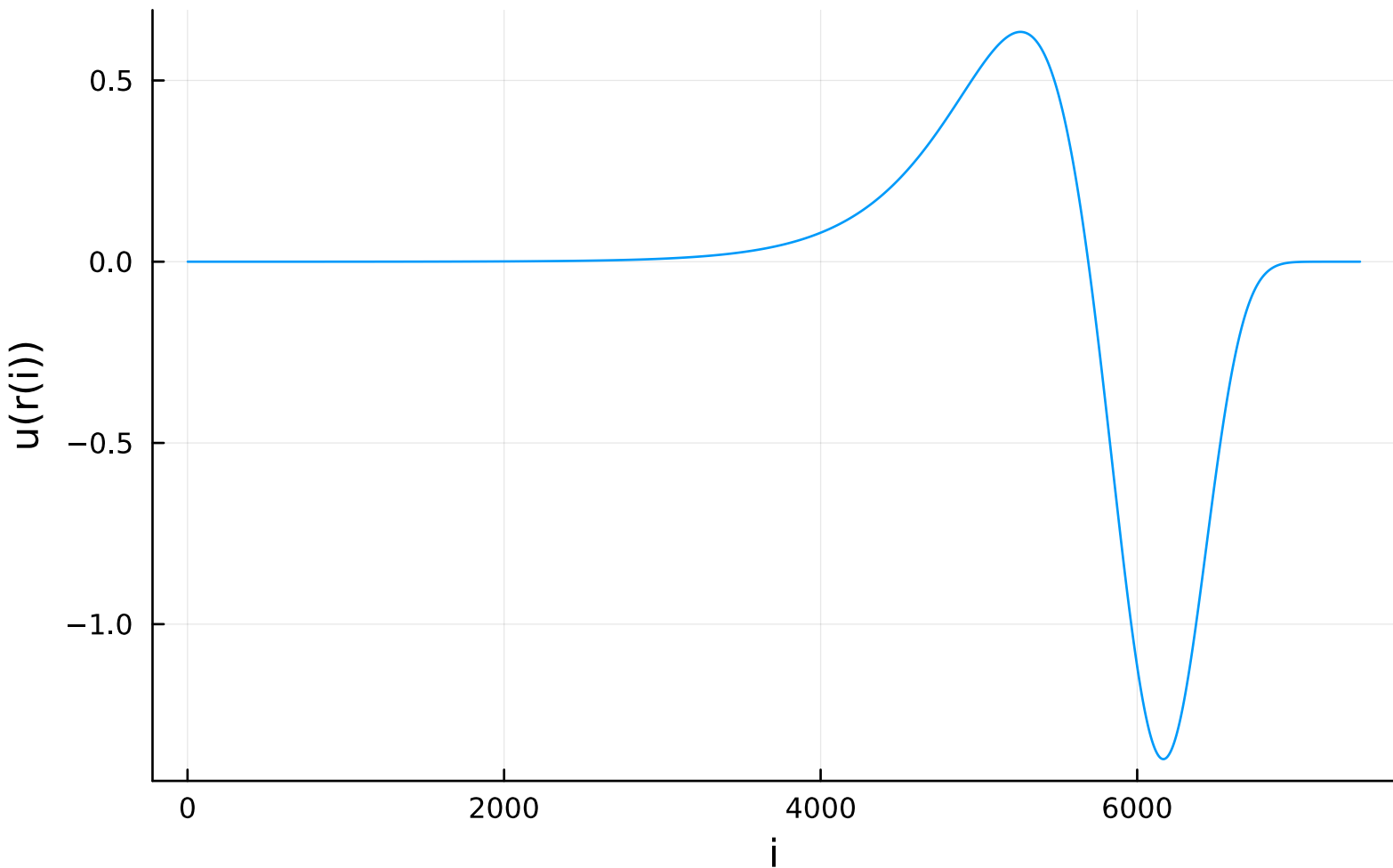


Silicon	E in Hartree			
Name	E NIST	E pred	$ \Delta E $	$ \Delta E /E$ NIST
Ecoul	131.767814	132.659626	0.891812	0.006768
3p	-0.153293	-0.096234	0.057059	-0.372220
Etot	-288.198397	-288.149719	0.048678	-0.000169
2s	-5.075056	-5.005223	0.069833	-0.013760
3s	-0.398139	-0.350710	0.047429	-0.119126
Exc	-19.553276	-19.620169	0.066893	-0.003421
Ekin	287.487740	287.745907	0.258167	0.000898
2p	-3.514938	-3.444730	0.070208	-0.019974
1s	-65.184426	-65.109773	0.074653	-0.001145

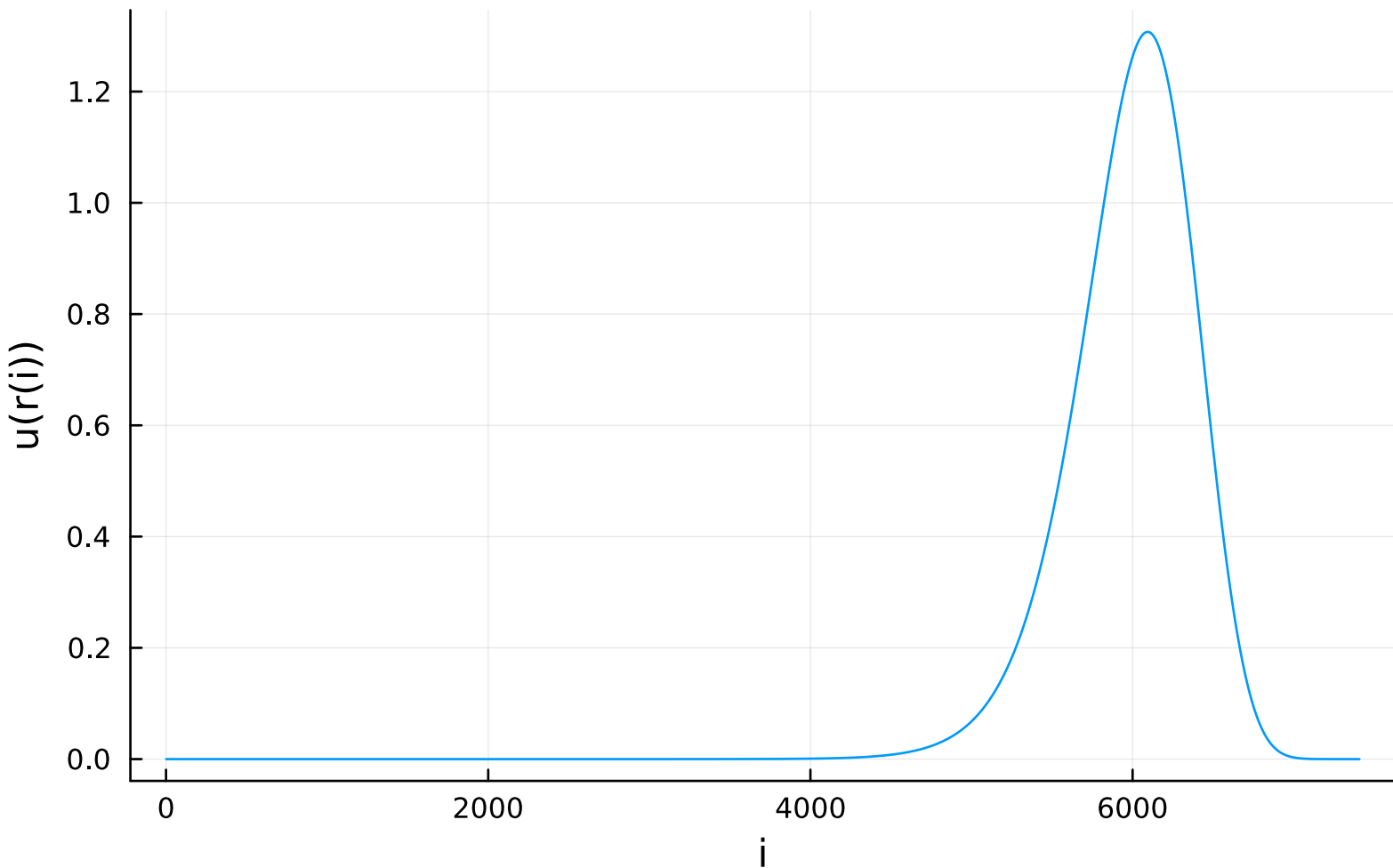
Orbital 1s eigen energy -65.1098



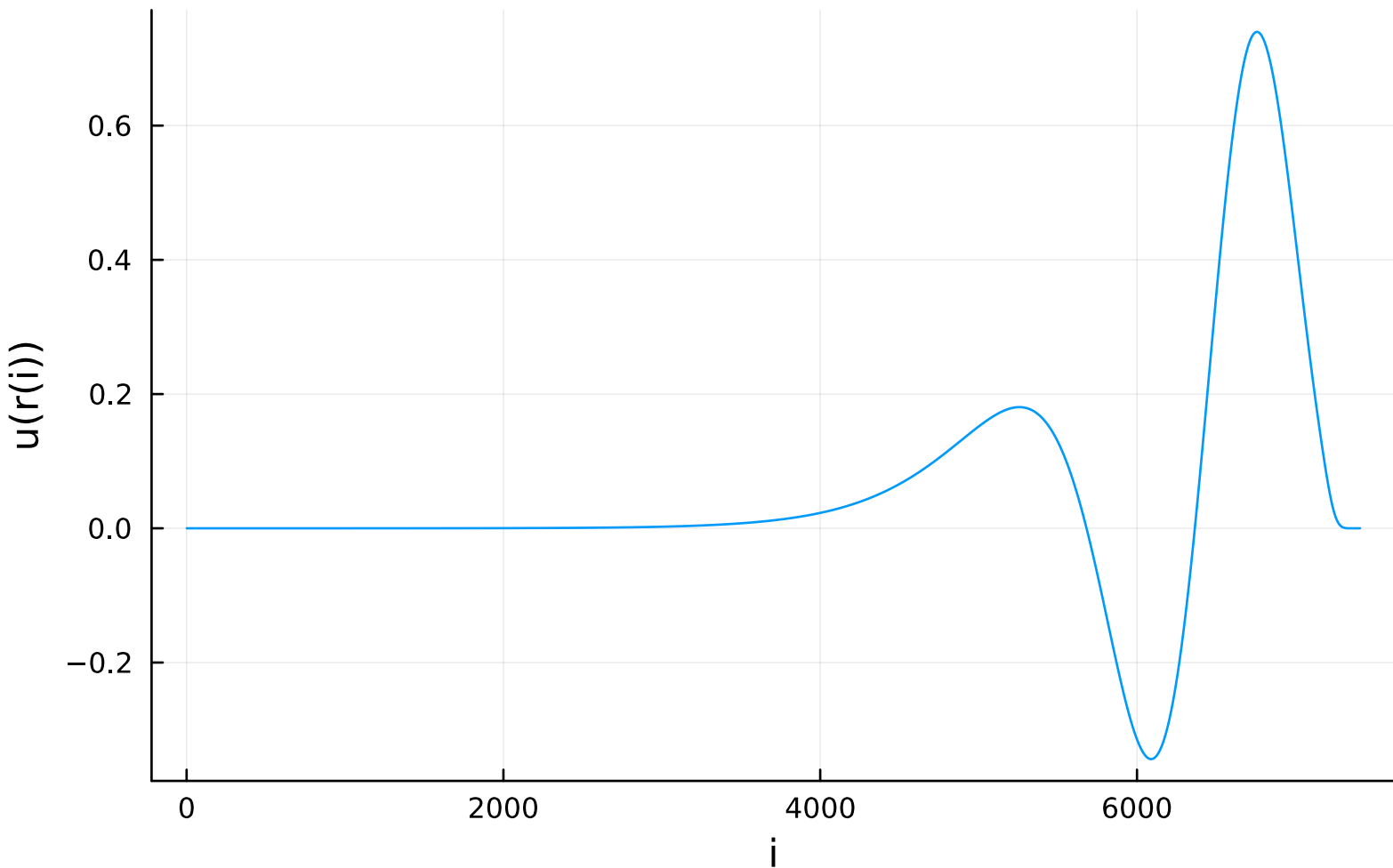
Orbital 2s eigen energy -5.0052



Orbital 2p eigen energy -3.4447



Orbital 3s eigen energy -0.3507



Orbital 3p eigen energy -0.0962

