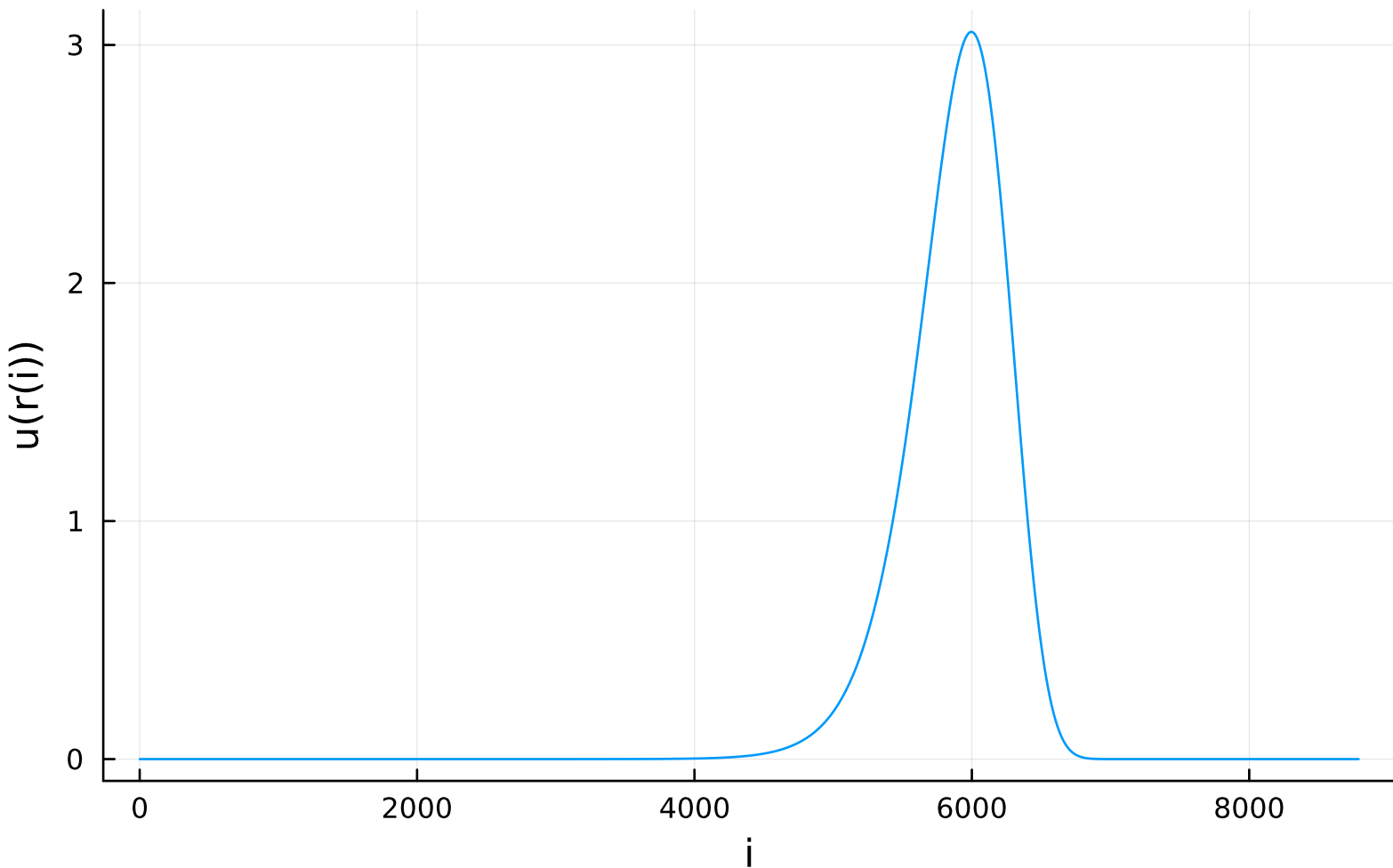| Xenon	E in Hartree			
Name	E NIST	E pred	|ΔE|	|ΔE|/E NIST
4d	-2.286666	-2.286666	0.000000	-0.000000
Ecoul	2880.919348	2880.919386	0.000038	0.000000
3p	-32.867042	-32.867043	0.000001	-0.000000
4p	-5.063802	-5.063802	0.000000	-0.000000
Exc	-175.713845	-175.713846	0.000001	-0.000000
5p	-0.309835	-0.309835	0.000000	-0.000001
2p	-172.599583	-172.599584	0.000001	-0.000000
5s	-0.672086	-0.672086	0.000000	-0.000000
4s	-6.678340	-6.678340	0.000000	-0.000000
Etot	-7228.856107	-7228.856106	0.000001	-0.000000
2s	-183.327495	-183.327496	0.000001	-0.000000
3s	-37.415454	-37.415454	0.000000	-0.000000
3d	-24.378230	-24.378231	0.000001	-0.000000
Ekin	7225.097817	7225.097826	0.000009	0.000000
1s	-1208.688993	-1208.688994	0.000001	-0.000000

Orbital 1s eigen energy -1208.6890
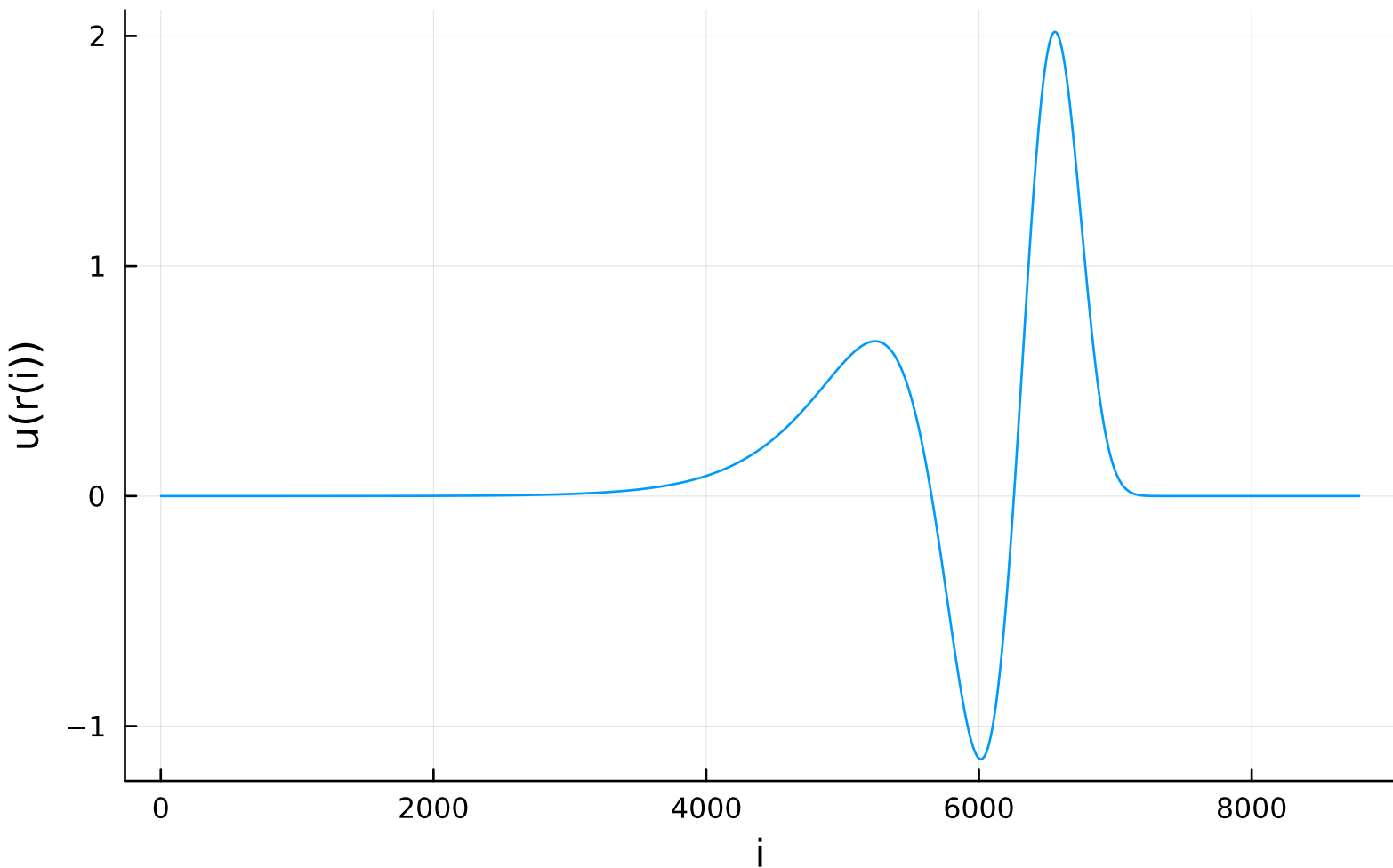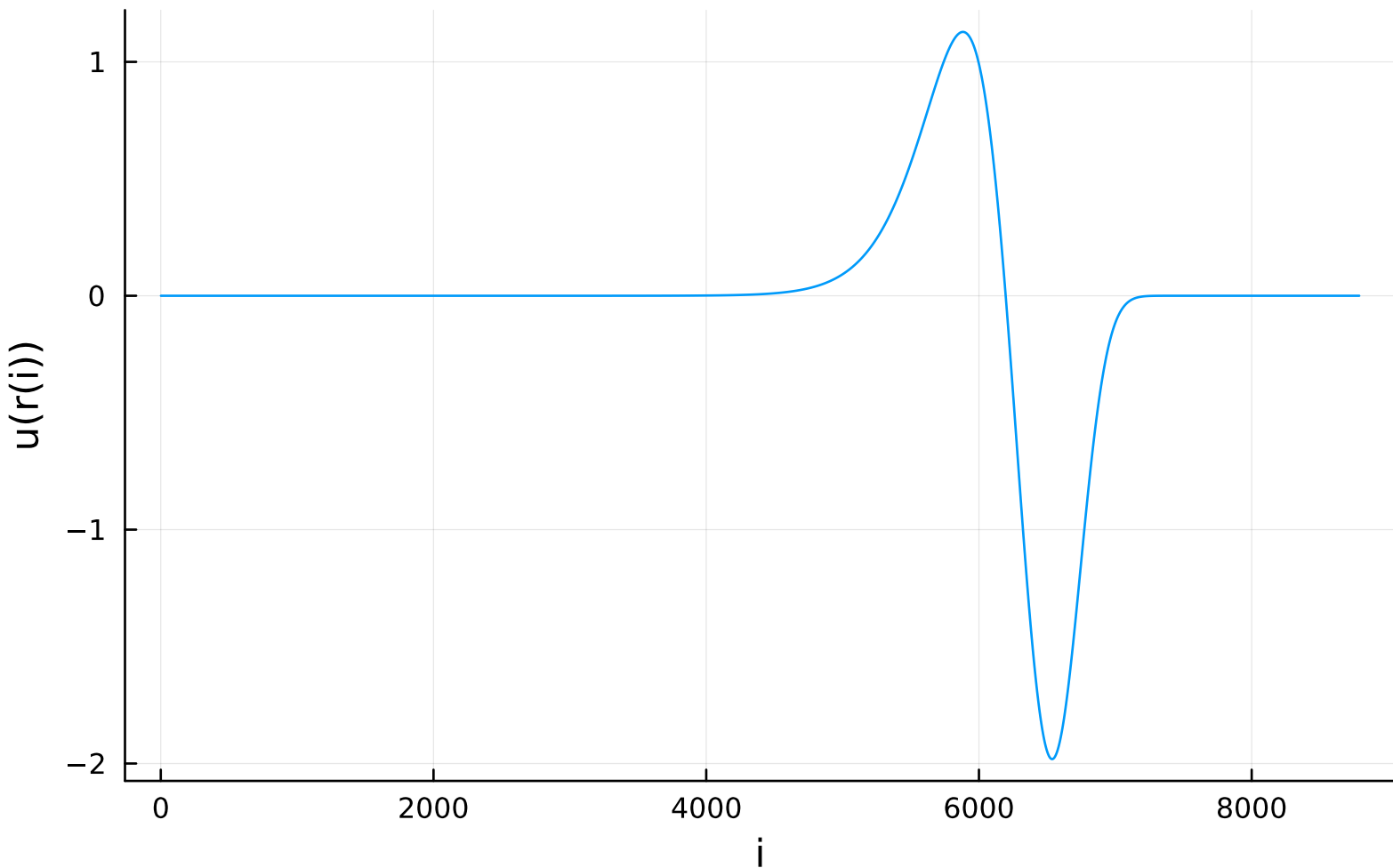
Orbital 2s eigen energy -183.3275

Orbital 2p eigen energy -172.5996

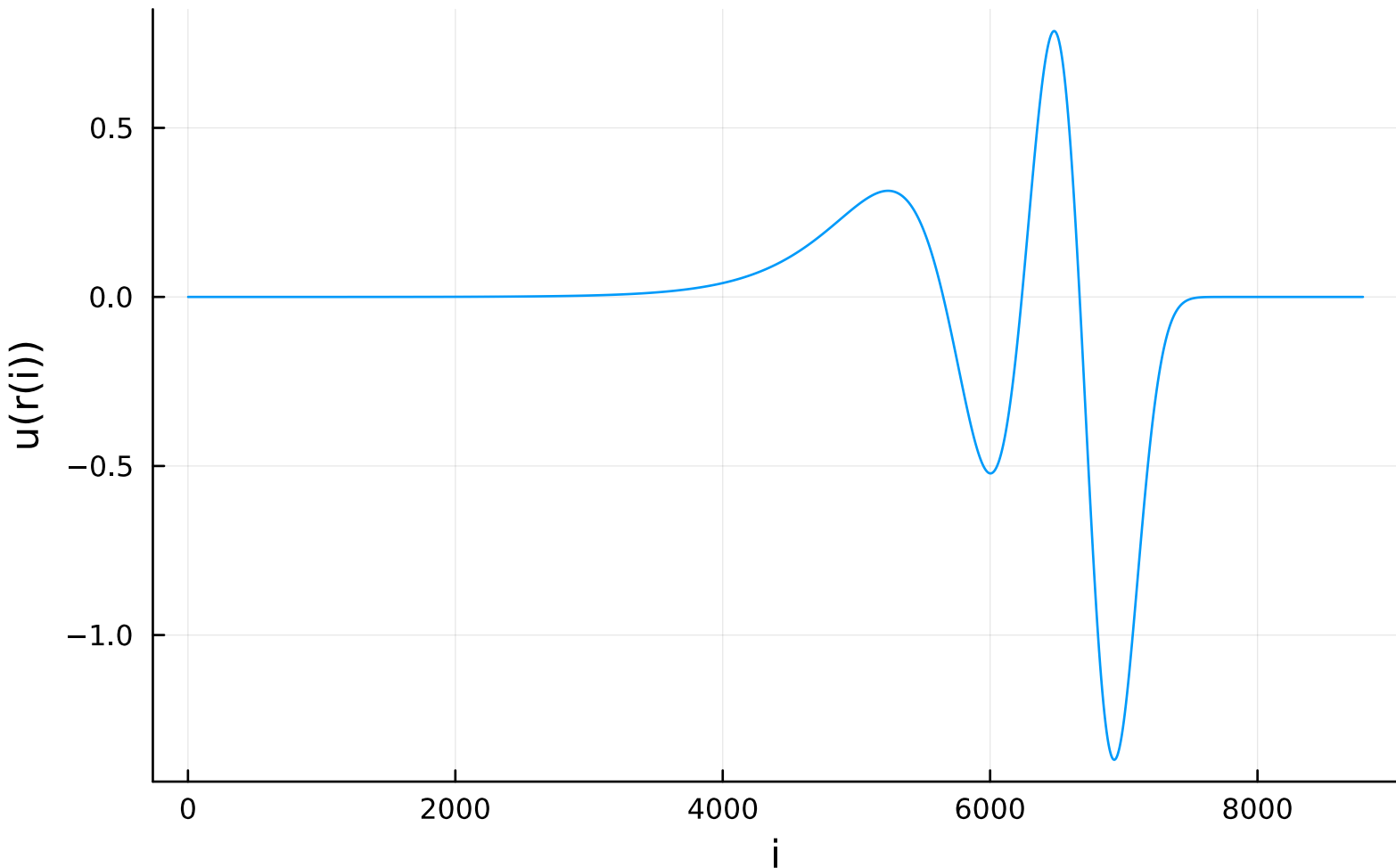Orbital 3s eigen energy -37.4155

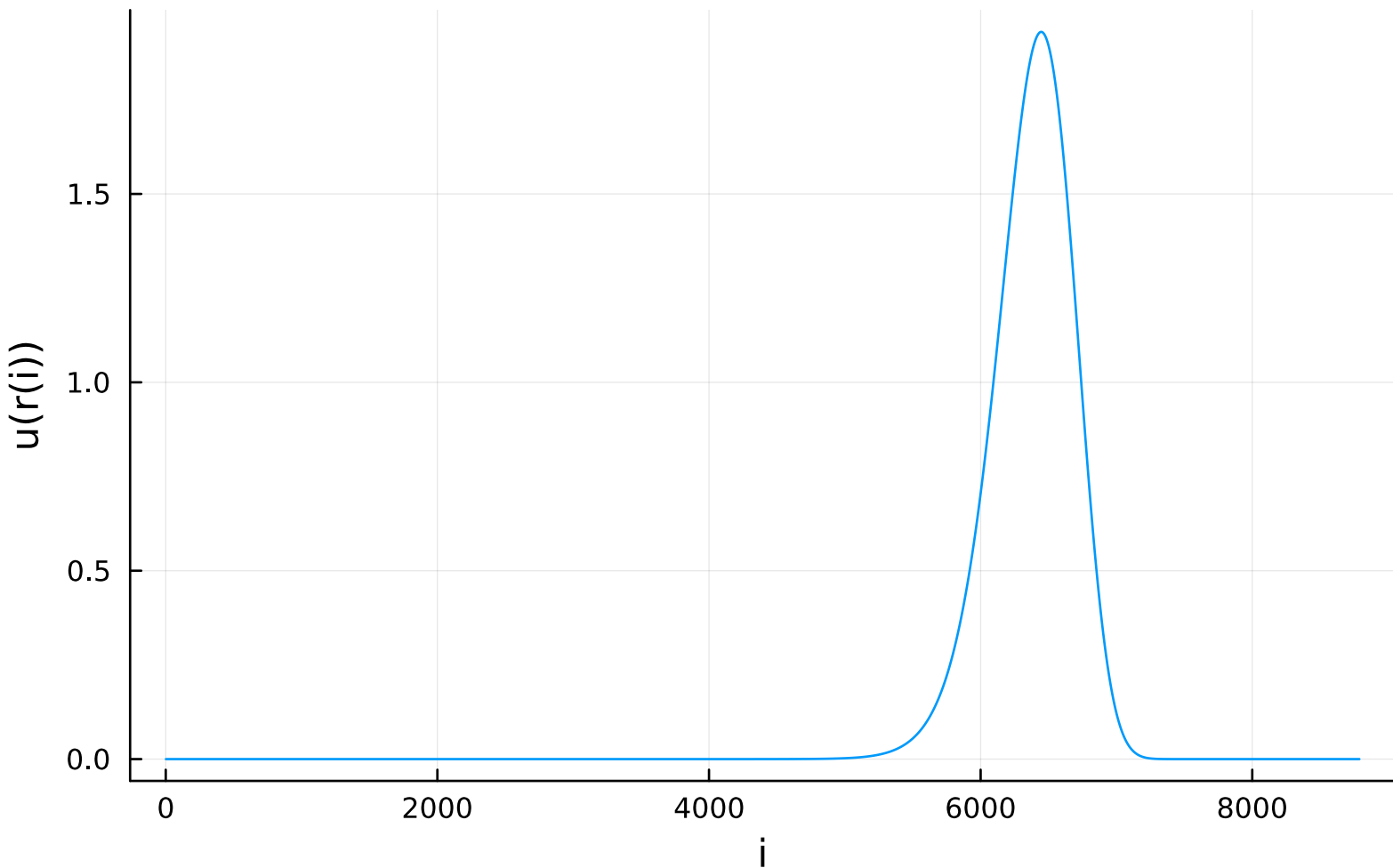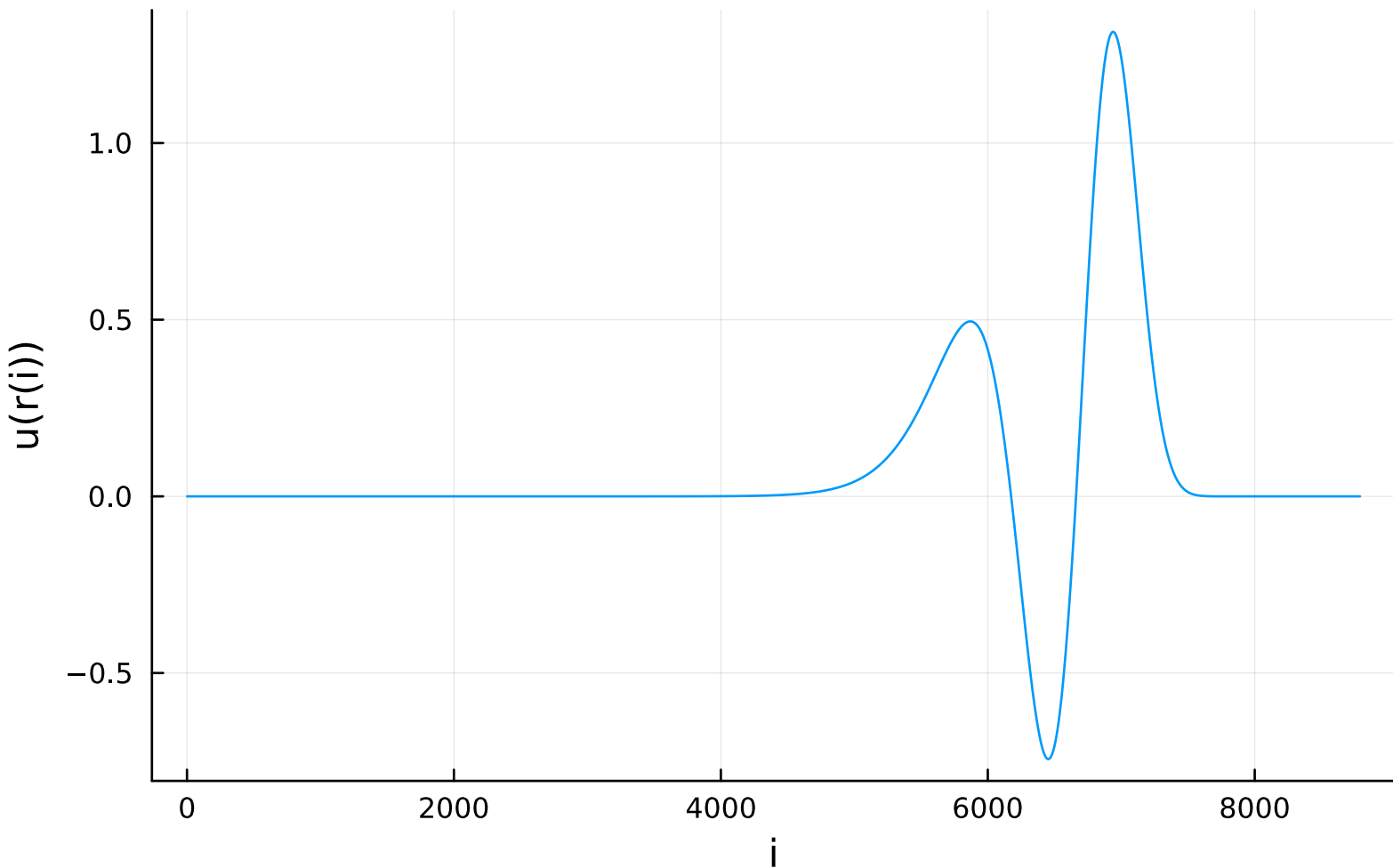Orbital 3p eigen energy -32.8670
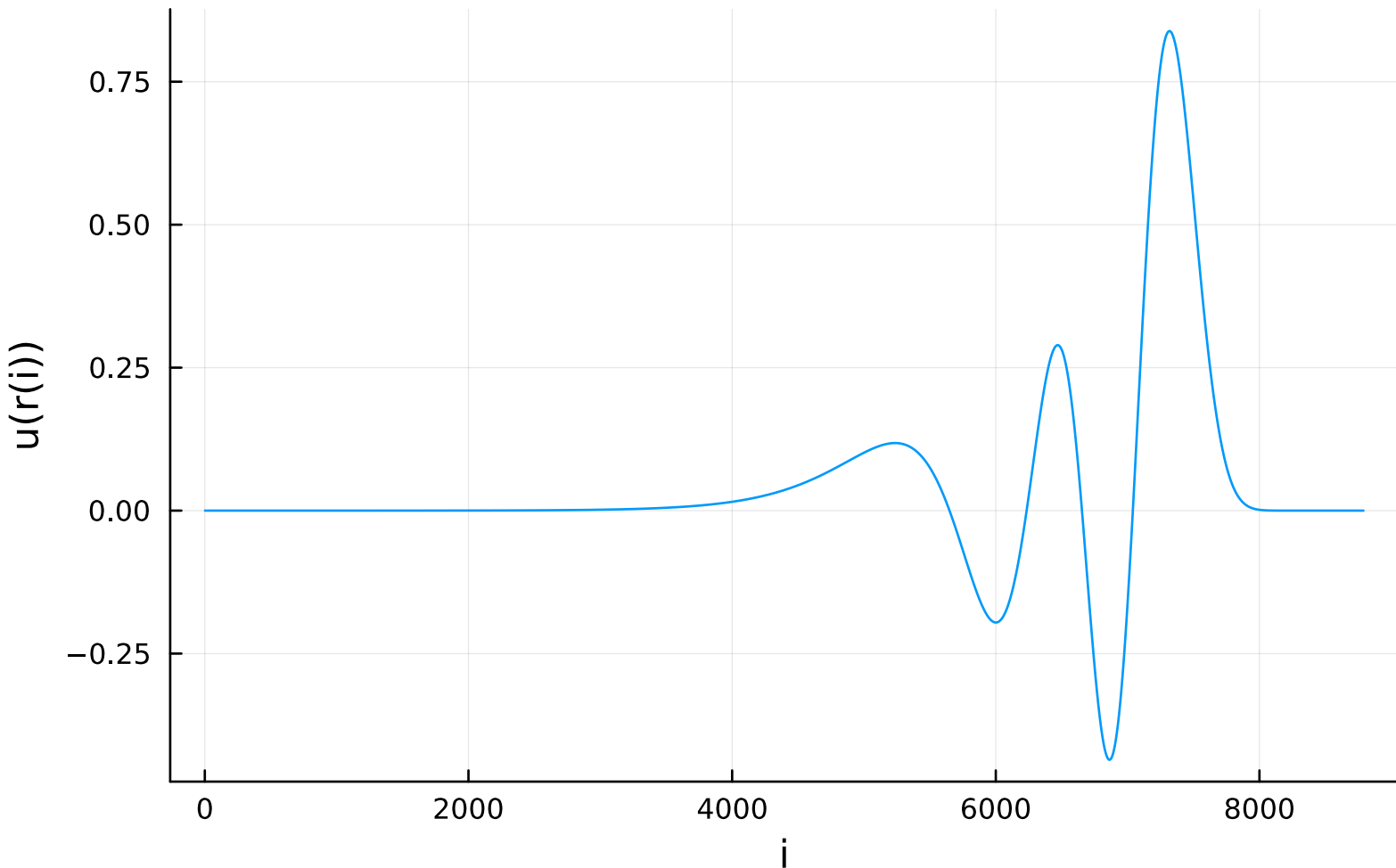
Orbital 4s eigen energy -6.6783
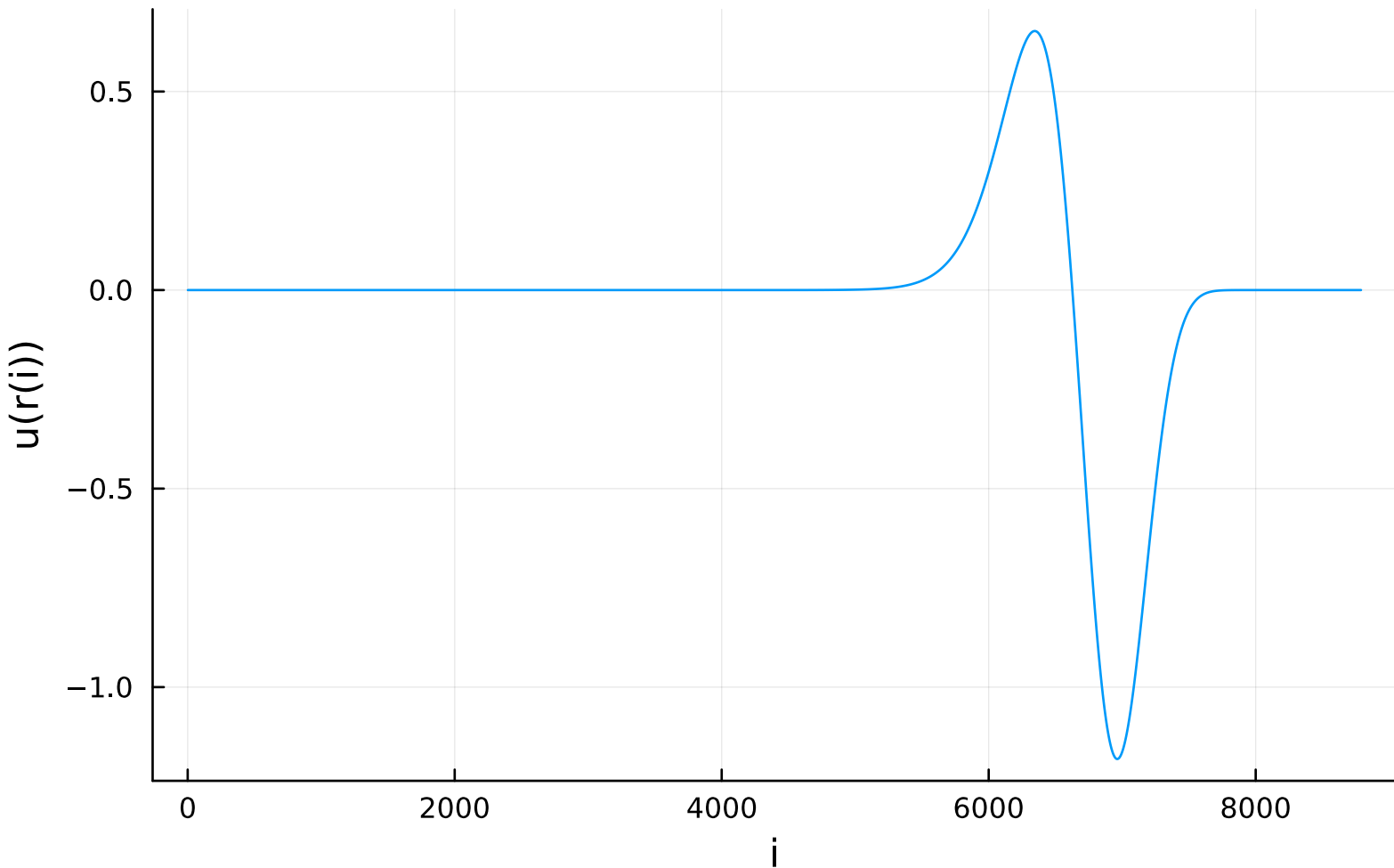
Orbital 3d eigen energy -24.3782

Orbital 4p eigen energy -5.0638

Orbital 5s eigen energy -0.6721

Orbital 4d eigen energy -2.2867

Orbital 5p eigen energy -0.3098