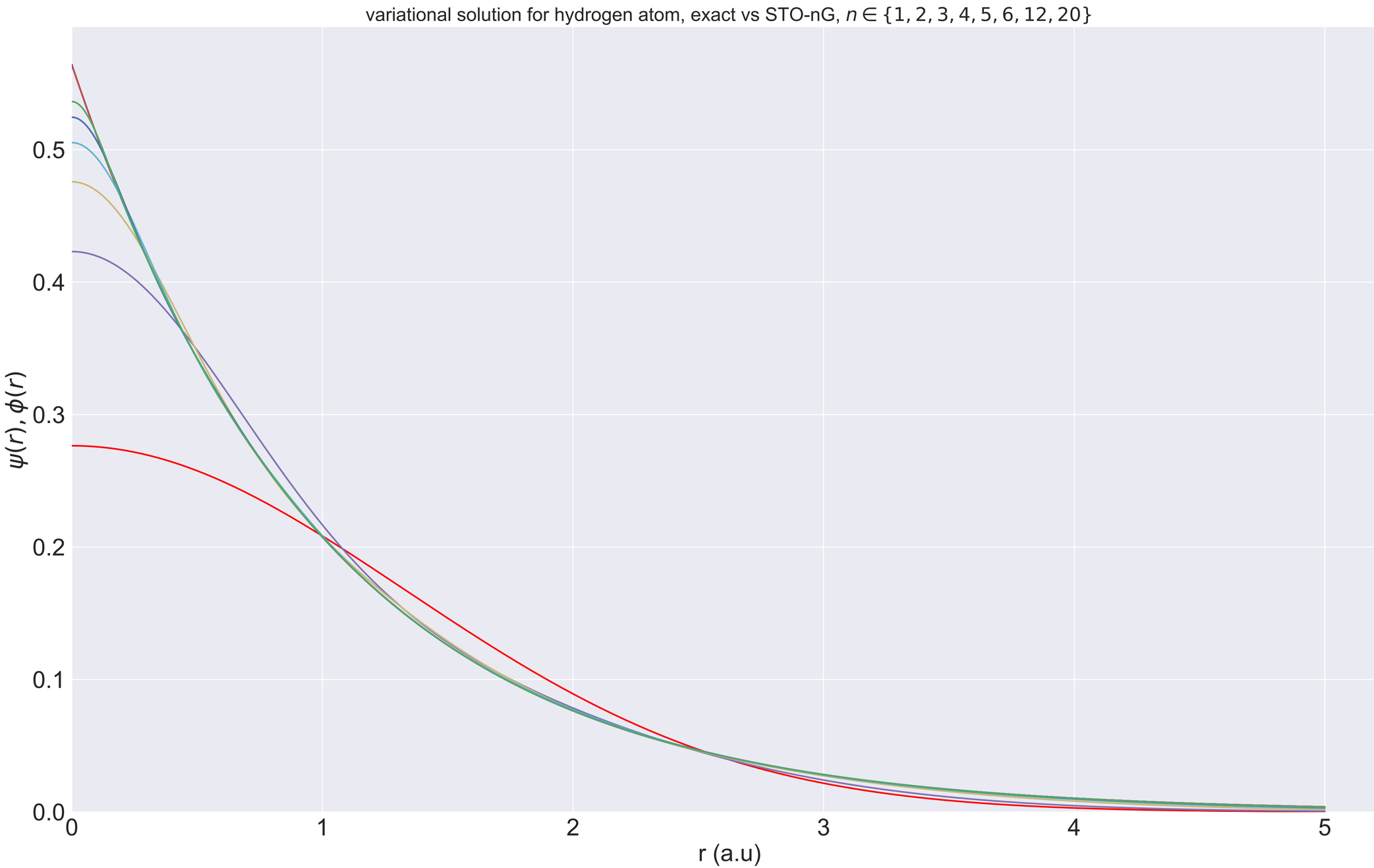
variational solution for hydrogen atom, exact vs STO-nG, $n \in \{1, 2, 3, 4, 5, 6, 12, 20\}$
$\psi(r), \phi(r)$
0.0
0.1
0.2
0.3
0.4
0.5
0
1
2
3
4
5
r (a.u)