



- $r'(0) = 0.2, \Delta\alpha \approx 32.1^\circ$
- $r'(0) = 0.5, \Delta\alpha \approx 22.6^\circ$
- $r'(0) = 1, \Delta\alpha \approx 14.4^\circ$
- $r'(0) = 1.5, \Delta\alpha \approx 10.3^\circ$