



- $f'(0) = 1.8, \Delta\alpha = 21.6^\circ$
- $f'(0) = 1.4, \Delta\alpha = 30.0^\circ$
- $f'(0) = 1.0, \Delta\alpha > 90^\circ$
- $f'(0) = 0.6, \Delta\alpha > 90^\circ$