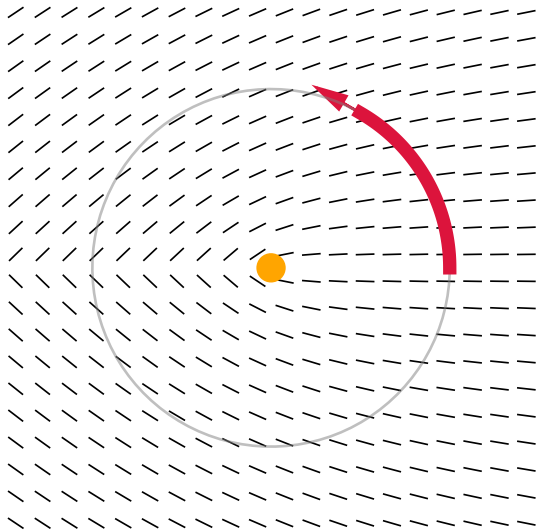
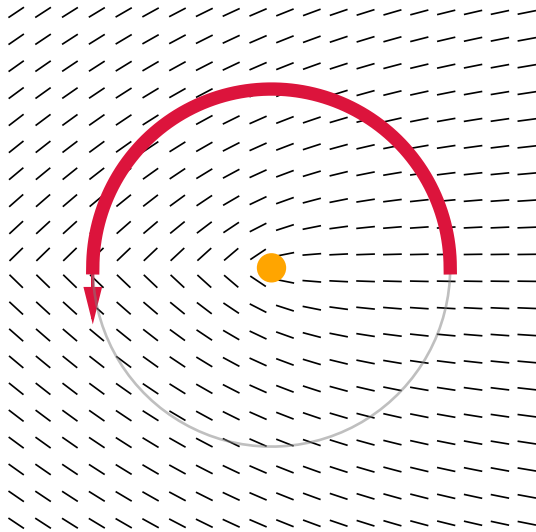


Start winding:  $0 \rightarrow \pi/3$   
Director rotates: 0.52 rad (30.0°)



Halfway:  $0 \rightarrow \pi$   
Director rotates: 1.57 rad (90.0°)



Full loop:  $0 \rightarrow 2\pi$   
Director rotates: 3.14 rad (180.0°)

