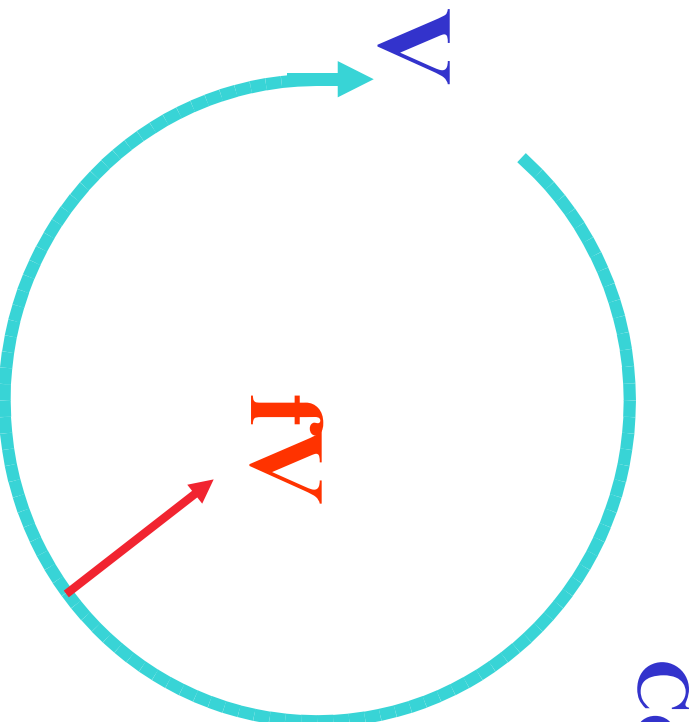


# The “inertia circle” motion



Coriolis parameter:

$$f = 2\Omega \sin \Phi$$

radius of  
the inertia circle:

$$R = V/f$$

period:

$$\tau = 2\pi/f$$

(60°N,  $V=10$  m/s,  $R=80$  km,  $\tau=14$  h)

(Courtesy: Anders Persson, SMHI)