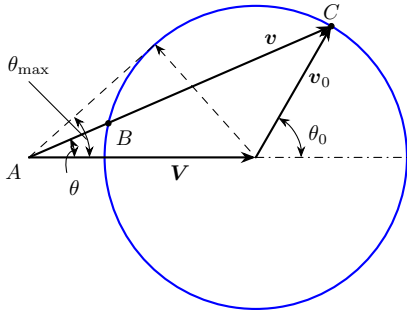


(a) $\|\mathbf{V}\| < \|\mathbf{v}_0\|$



(b) $\|\mathbf{V}\| > \|\mathbf{v}_0\|$