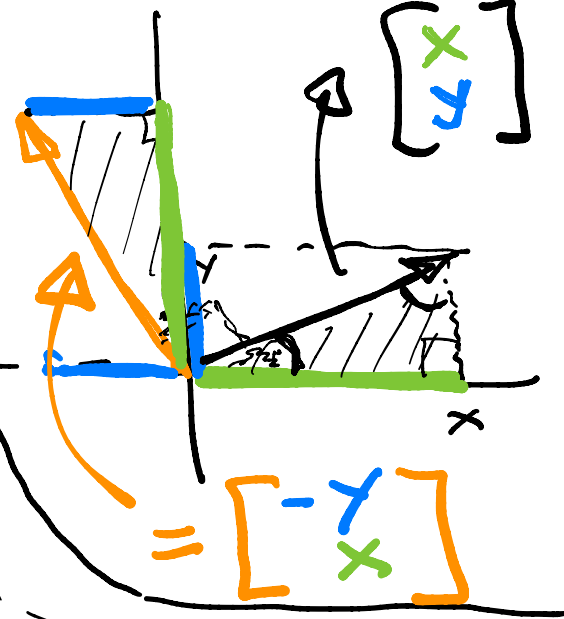
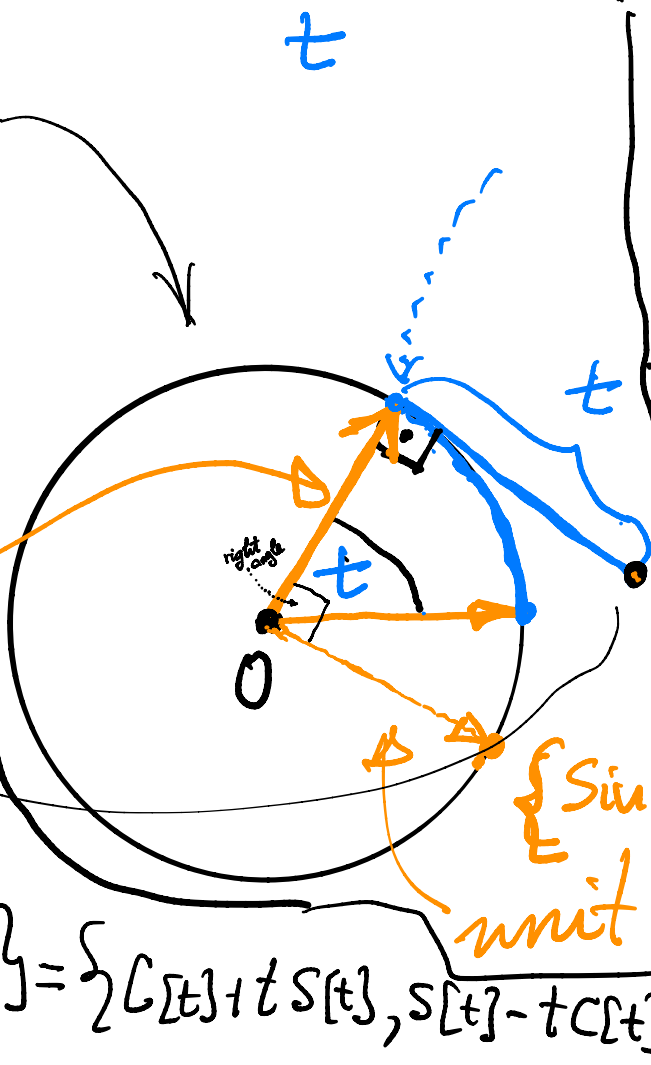


a unit circle

$\{1, 0\}$
 $\{\cos[t], \sin[t]\}$

this "point" is

$$\{\cos[t], \sin[t]\} + t \{\sin[t], -\cos[t]\} = \{\cos[t] + t \sin[t], \sin[t] - t \cos[t]\}$$



$\{\sin[t], -\cos[t]\}$
unit vector