

$t$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{2}$
$x'(t)$		+	0	-
$x$	0	$\frac{\sqrt{3}}{2}$	1	0
$y$	0	1	$\frac{\sqrt{2}}{2}$	-1
$y'(t)$		+	0	-