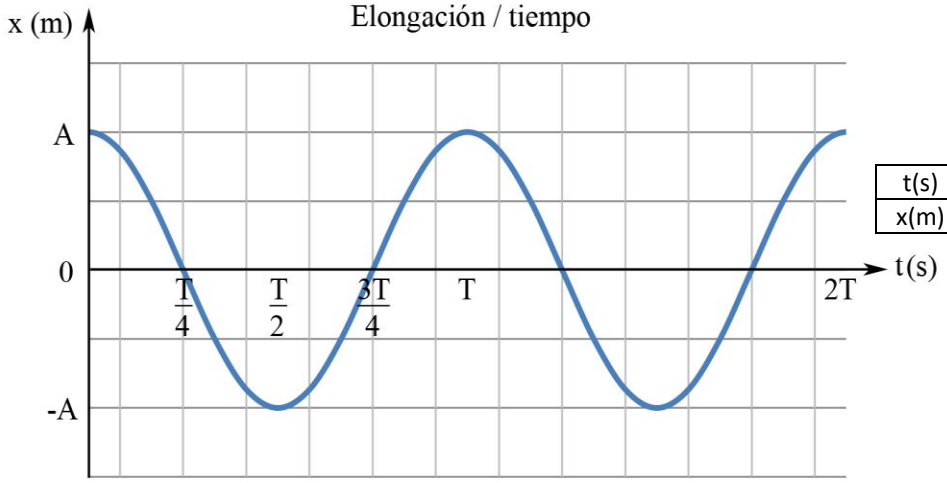
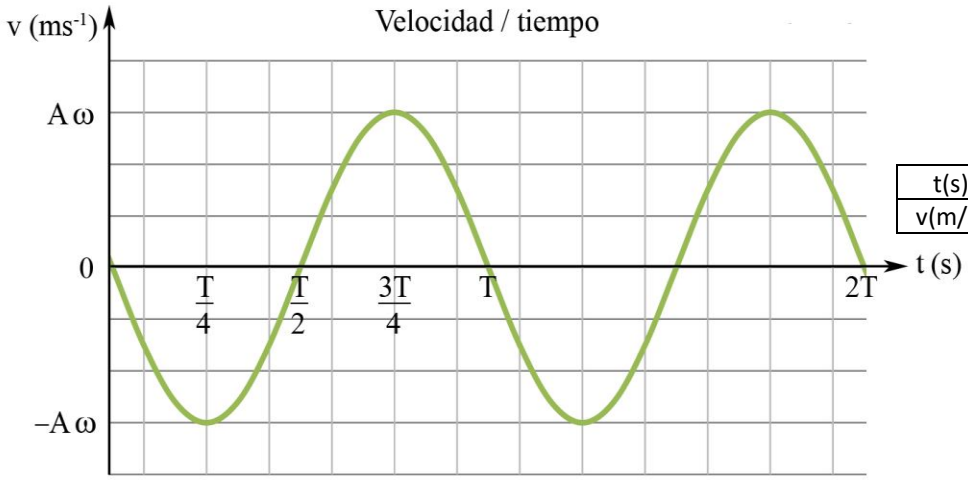
Cinemática del MVAS

$\omega = \frac{2\pi}{T}$	t(s)	0	T/4	T/2	3T/4	T
	ω t (rad)	0	π/2	π	3π/2	2π



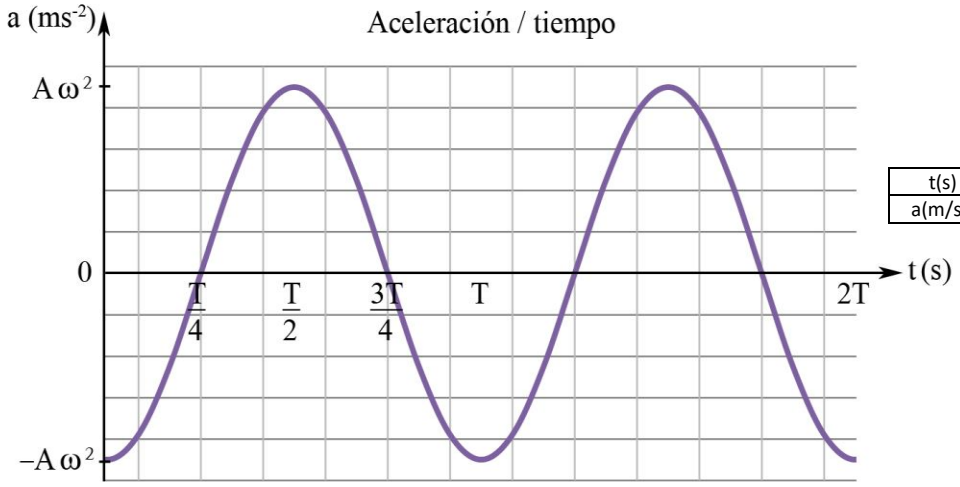
$$x = A\cos(\omega t)$$
$$x = A\,\mathrm{sen}\left(\omega t + \frac{\pi}{2}\right)$$

t(s)	0	T/4	T/2	3T/4	T
x(m)	A	0	-A	0	A



$$v = -A\omega\,\mathrm{sen}(\omega t)$$
$$v = A\omega\cos\left(\omega t + \frac{\pi}{2}\right)$$

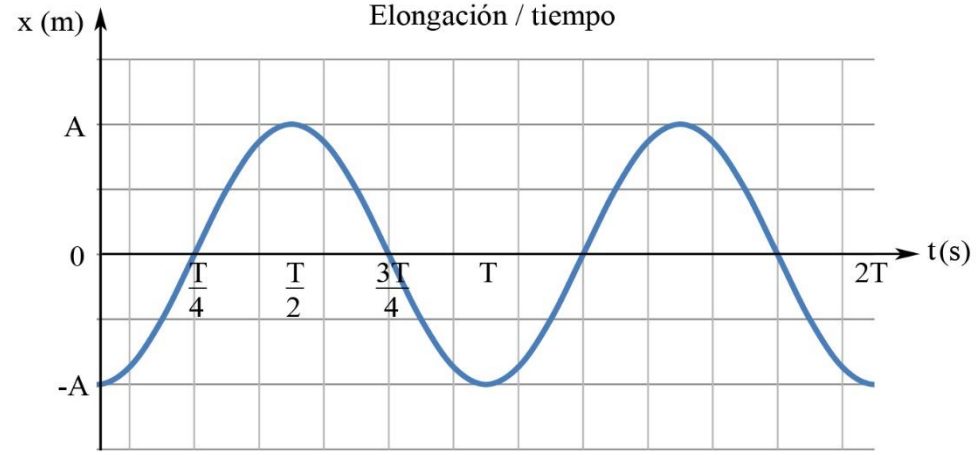
t(s)	0	T/4	T/2	3T/4	T
v(m/s)	0	-Aω	0	Aω	0



$$a = -A\omega^2\cos(\omega t)$$
$$a = -A\omega^2\,\mathrm{sen}\left(\omega t + \frac{\pi}{2}\right)$$

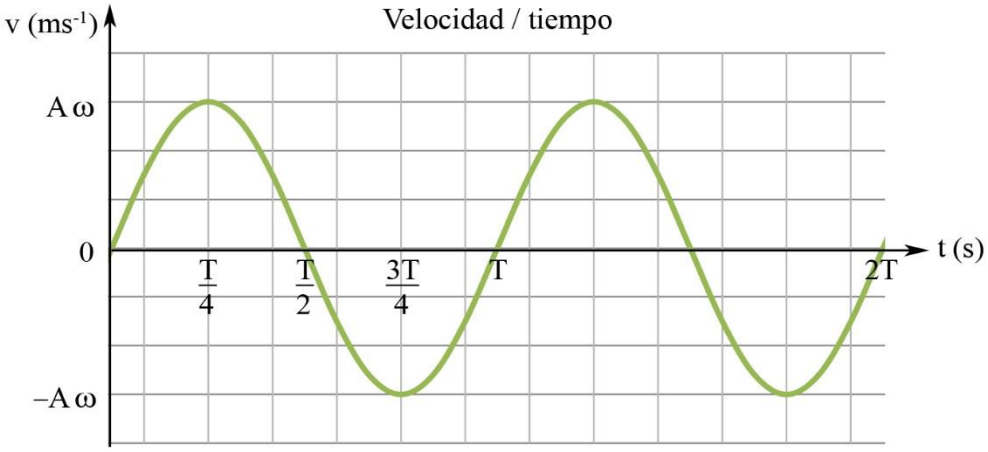
t(s)	0	T/4	T/2	3T/4	T
a(m/s²)	$-A\omega^2$	0	$A\omega^2$	0	$-A\omega^2$

Cinemática del MVAS



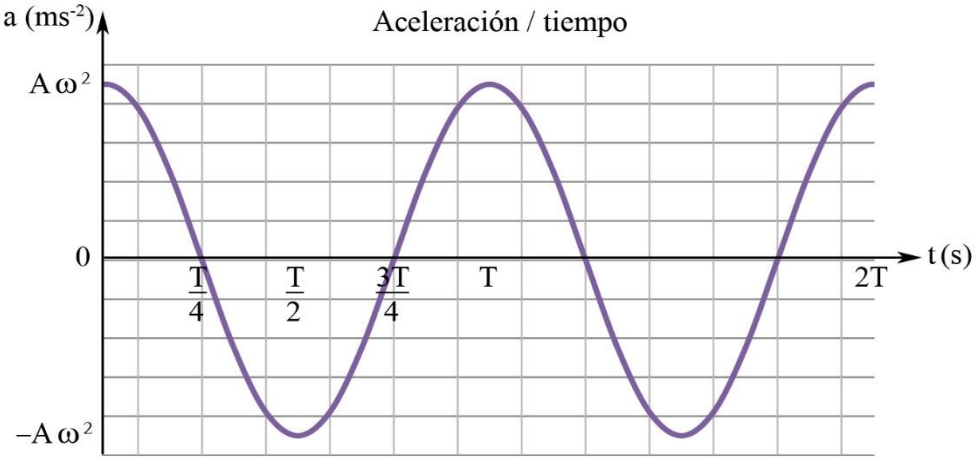
$x = -A\cos(\omega t)$

$x = -A\,\mathrm{sen}\left(\omega t + \frac{\pi}{2}\right)$



$v = A\omega\,\mathrm{sen}(\omega t)$

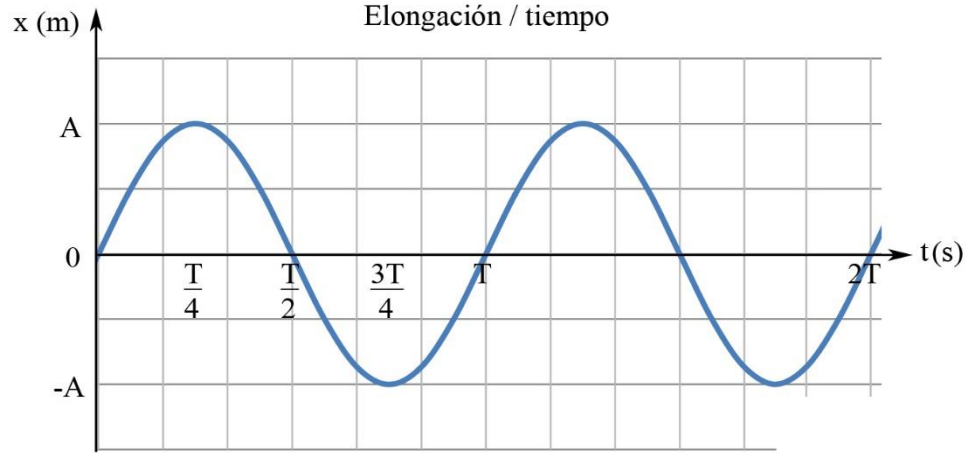
$v = A\omega\cos\left(\omega t + \frac{\pi}{2}\right)$



$a = A\omega^2\cos(\omega t)$

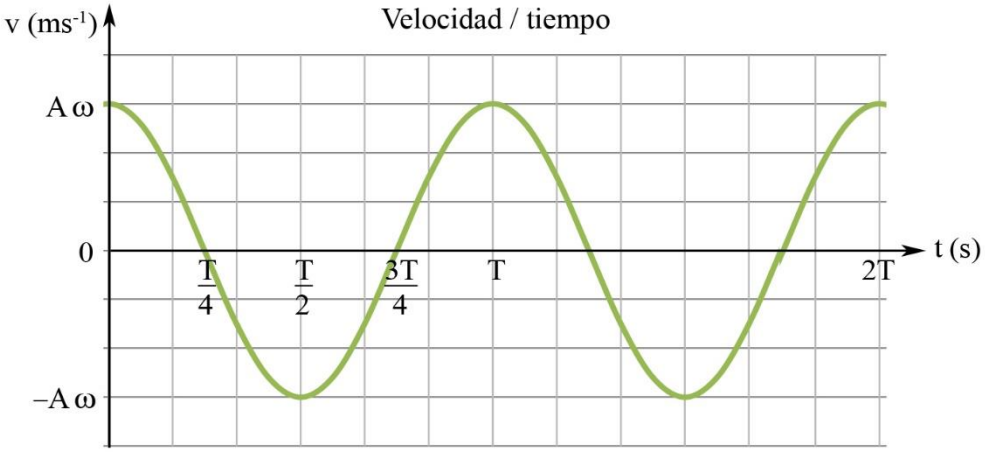
$a = A\omega^2\,\mathrm{sen}\left(\omega t + \frac{\pi}{2}\right)$

Cinemática del MVAS



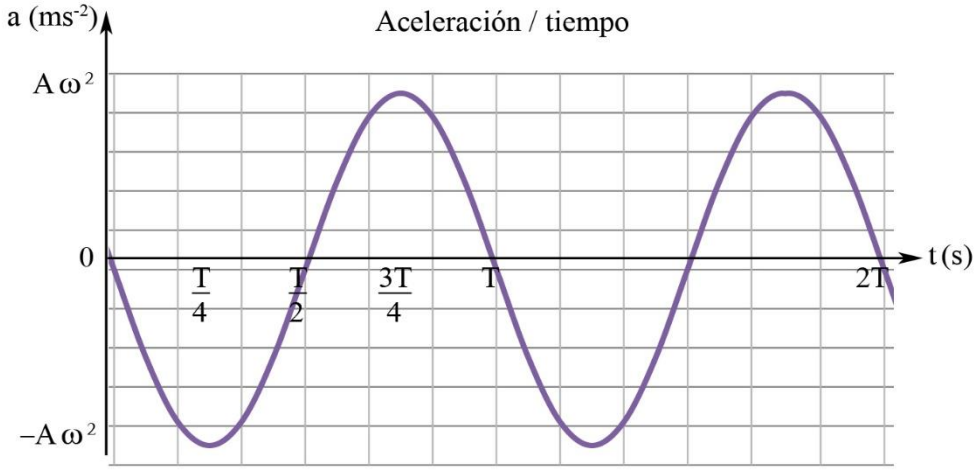
$x = A \operatorname{sen}(\omega t)$

$x = A \cos\left(\omega t + \frac{\pi}{2}\right)$



$v = A\omega \cos(\omega t)$

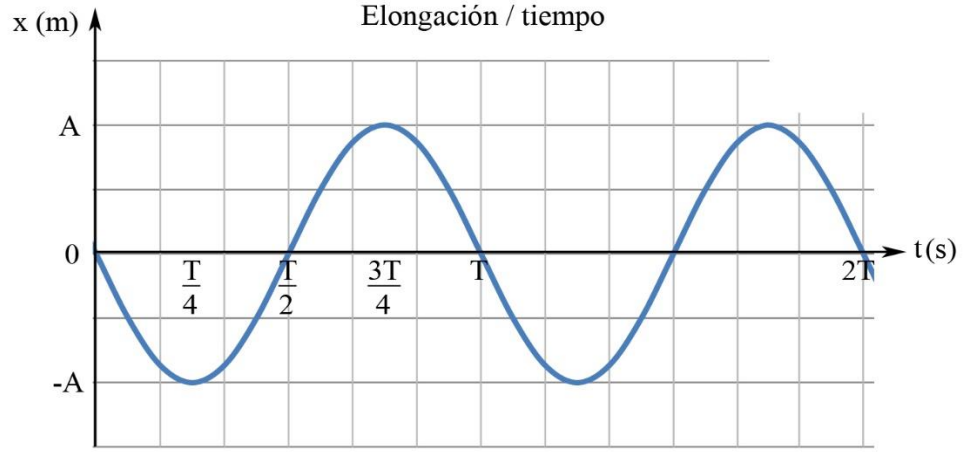
$v = A\omega \operatorname{sen}\left(\omega t + \frac{\pi}{2}\right)$



$a = -A\omega^2 \operatorname{sen}(\omega t)$

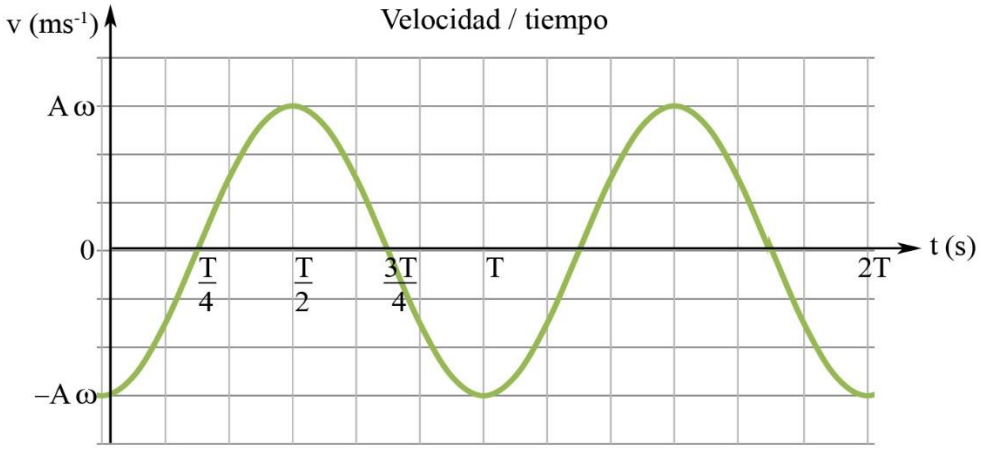
$a = -A\omega^2 \cos\left(\omega t + \frac{\pi}{2}\right)$

Cinemática del MVAS



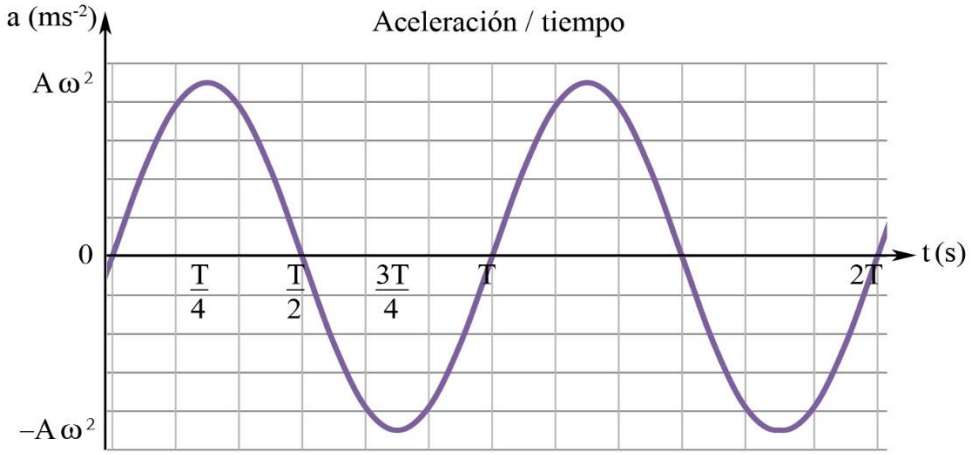
$x = -A \operatorname{sen}(\omega t)$

$x = -A \cos\left(\omega t + \frac{\pi}{2}\right)$



$v = -A\omega \cos(\omega t)$

$v = -A\omega \operatorname{sen}\left(\omega t + \frac{\pi}{2}\right)$



$a = A\omega^2 \operatorname{sen}(\omega t)$

$a = A\omega^2 \cos\left(\omega t + \frac{\pi}{2}\right)$