

Additional Questions

For your selected values of angular position, velocity, acceleration and a couple of times, complete the following table.

$\theta_o = \underline{\hspace{2cm}}$ $\omega_o = \underline{\hspace{2cm}}$ $\alpha = \underline{\hspace{2cm}}$	θ_t	$\Delta\theta_t$	ω	Δs	v_{tang}	a_{tang}
$t1 = \underline{\hspace{2cm}}$						
$t2 = \underline{\hspace{2cm}}$						

Now select a set of positive values for initial angular position, initial angular velocity, and a negative angular acceleration. Before running the simulation, see if you can predict the following.

i. How long does it take until the angular velocity becomes zero?

ii. Through how much angle has it traveled?

iii. What is the average angular speed for this trip?