

Common Variable Representation Chart

	<u>Quantity</u>	<u>Symbol</u>	<u>SI Units</u>	<u>Type: Vector or Scalar</u>
1.	Position / Distance	x, y, d, s		
2.	Mass	m		
3.	Time	t		
4.	Displacement	$\vec{\Delta x}$		
5.	Speed	s, v		
6.	Velocity	$\vec{\Delta v}$		
7.	Acceleration	$\vec{\Delta a}$		
8.	Acceleration due to gravity	$\vec{g}$		
9.	Force	$\vec{F}$		
10.	Weight	$\vec{\Delta F}_w, \vec{w}$		
11.	Inertia			
12.	Work	W		
13.	Gravitational Potential Energy	E_{pg}		
14.	Kinetic Energy	E_k		
15.	Elastic Potential Energy	E_{pe}		
16.	Spring Constant	k		
17.	Momentum	$\vec{p}$		
18.	Impulse	$\vec{J}$		
19.	Electric Charge	q		
20.	Electric Force	$\vec{F}$		
21.	Coulomb Constant	K		
22.	Electric Field	$\vec{E}$		
23.	Electric Potential Difference	V		
24.	Electric Current	I		
25.	Power	P		
26.	Electric Resistance	R		
27.	Capacitance	C		

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Chapter 2: One Dimensional Motion