
Pendulum phase portrait illustration

Information about this file

The velocity and position of a pendulum, against time

The velocity and position of a pendulum, take time off any axis

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Metadata

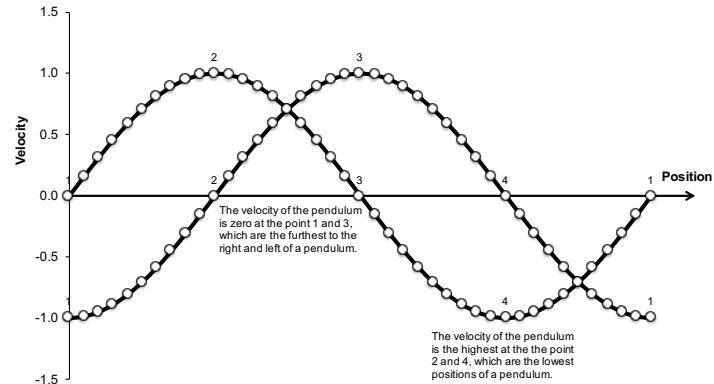
The tables and graphs in this file depict the movement of a pendulum. For further information of how it is drawn, please see https://wikipedia.org/wiki/File:Pendulum_phase_portrait_illustration.svg

[Contents](#)**The velocity and position of a pendulum, against time**

Source: An imaginary pendulum

Observation date	Velocity	Position	Label
1	0.00	-1.00	1
1.1	0.16	-0.99	
1.2	0.31	-0.95	
1.3	0.45	-0.89	
1.4	0.59	-0.81	
1.5	0.71	-0.71	
1.6	0.81	-0.59	
1.7	0.89	-0.45	
1.8	0.95	-0.31	
1.9	0.99	-0.16	
2	1.00	0.00	2
2.1	0.99	0.16	
2.2	0.95	0.31	
2.3	0.89	0.45	
2.4	0.81	0.59	
2.5	0.71	0.71	
2.6	0.59	0.81	
2.7	0.45	0.89	
2.8	0.31	0.95	
2.9	0.16	0.99	
3	0.00	1.00	3
3.1	-0.16	0.99	
3.2	-0.31	0.95	
3.3	-0.45	0.89	
3.4	-0.59	0.81	
3.5	-0.71	0.71	
3.6	-0.81	0.59	
3.7	-0.89	0.45	
3.8	-0.95	0.31	
3.9	-0.99	0.16	
4	-1.00	0.00	4
4.1	-0.99	-0.16	
4.2	-0.95	-0.31	
4.3	-0.89	-0.45	
4.4	-0.81	-0.59	
4.5	-0.71	-0.71	
4.6	-0.59	-0.81	
4.7	-0.45	-0.89	
4.8	-0.31	-0.95	
4.9	-0.16	-0.99	
5	0.00	-1.00	1

**The movement of a pendulum against the time
(The velocity and position of the pendulum)**



[Contents](#)

The velocity and position of a pendulum, take time off any axis

Source: An imaginary pendulum

Observation date	Velocity	Position	Label
1	0.00	-1.00	1
1.1	0.16	-0.99	
1.2	0.31	-0.95	
1.3	0.45	-0.89	
1.4	0.59	-0.81	
1.5	0.71	-0.71	
1.6	0.81	-0.59	
1.7	0.89	-0.45	
1.8	0.95	-0.31	
1.9	0.99	-0.16	
2	1.00	0.00	2
2.1	0.99	0.16	
2.2	0.95	0.31	
2.3	0.89	0.45	
2.4	0.81	0.59	
2.5	0.71	0.71	
2.6	0.59	0.81	
2.7	0.45	0.89	
2.8	0.31	0.95	
2.9	0.16	0.99	
3	0.00	1.00	3
3.1	-0.16	0.99	
3.2	-0.31	0.95	
3.3	-0.45	0.89	
3.4	-0.59	0.81	
3.5	-0.71	0.71	
3.6	-0.81	0.59	
3.7	-0.89	0.45	
3.8	-0.95	0.31	
3.9	-0.99	0.16	
4	-1.00	0.00	4
4.1	-0.99	-0.16	
4.2	-0.95	-0.31	
4.3	-0.89	-0.45	
4.4	-0.81	-0.59	
4.5	-0.71	-0.71	
4.6	-0.59	-0.81	
4.7	-0.45	-0.89	
4.8	-0.31	-0.95	
4.9	-0.16	-0.99	
5	0.00	-1.00	1

**The movement of a pendulum without the time
(The velocity and position of the pendulum)**

