Motion Control



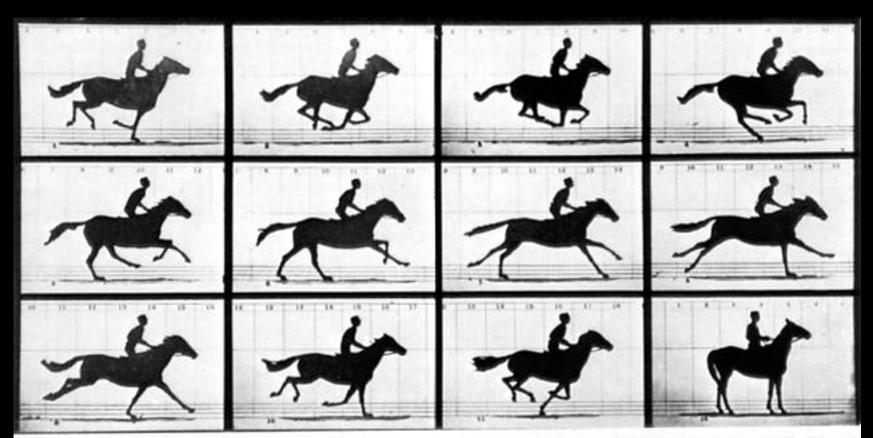
Controlling Motion with shutter Speed











Congresant, etc. by MUYRRIDGE

MORSE'S Gallery, 417 Muntgomery St., Sen Francisco.

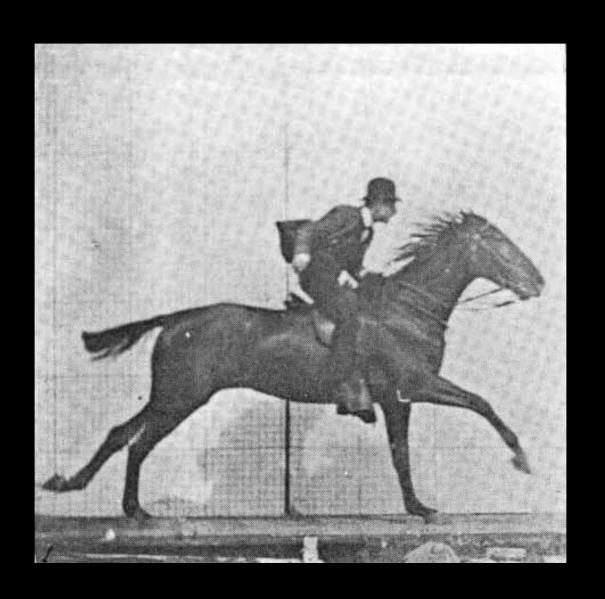
THE HORSE IN MOTION.

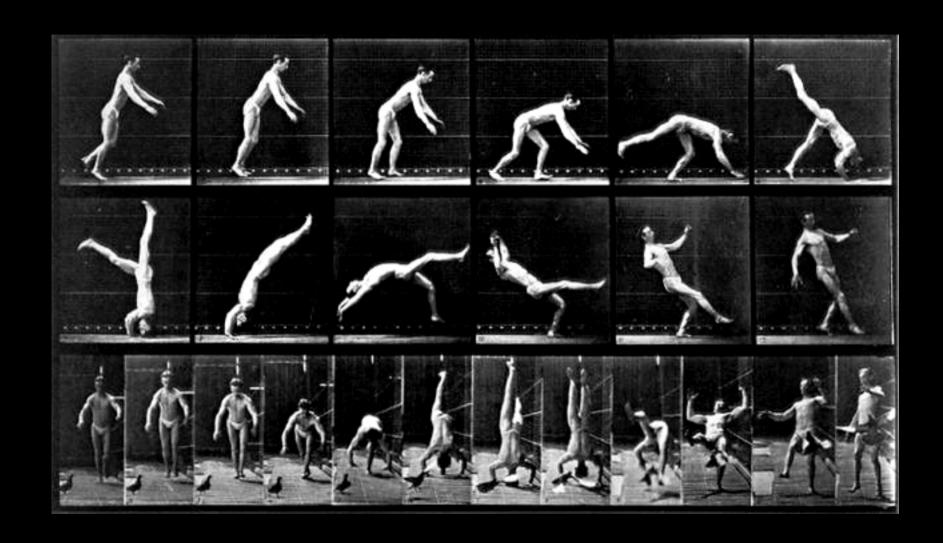
MUYBRIDGE.

ACTIOLATIC TELESTON-PROPOGRAPIL

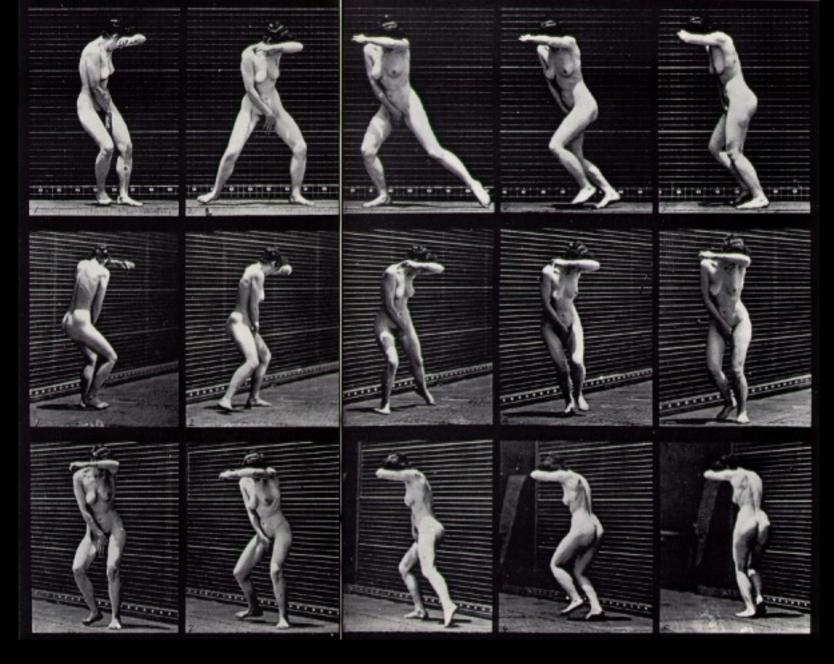
"SALLIE GARDNER," owned by LELAND STANFORD; running at a 1.40 gait over the Palo Alto track, 19th June, 1878.

The sugarous of these photographs were made at intervals of incorporate inches of abstract, and about the temporate figure of a second of trace; they distribute communities positions assumed in such tracests inches again, the horizontal figure inches again, the exposure of each sugarous made has the two chosental beautiful an accordance of a second. The exposure of each sugarous made has the two chosental beautiful an accordance of a second.





Muybridge- Headspring with Pigeon 1885



Muybridge- Turning away and running 1884

Shutter Speeds

FAST	MEDIUM	SLOW	VERY SLOW
1/2000	1/125	1/8	2 sec
1/1000	1/60	1/4	4 sec
1/500	1/30	1/2	8 sec
1/250	1/15	1 sec	16 sec
			32 sec

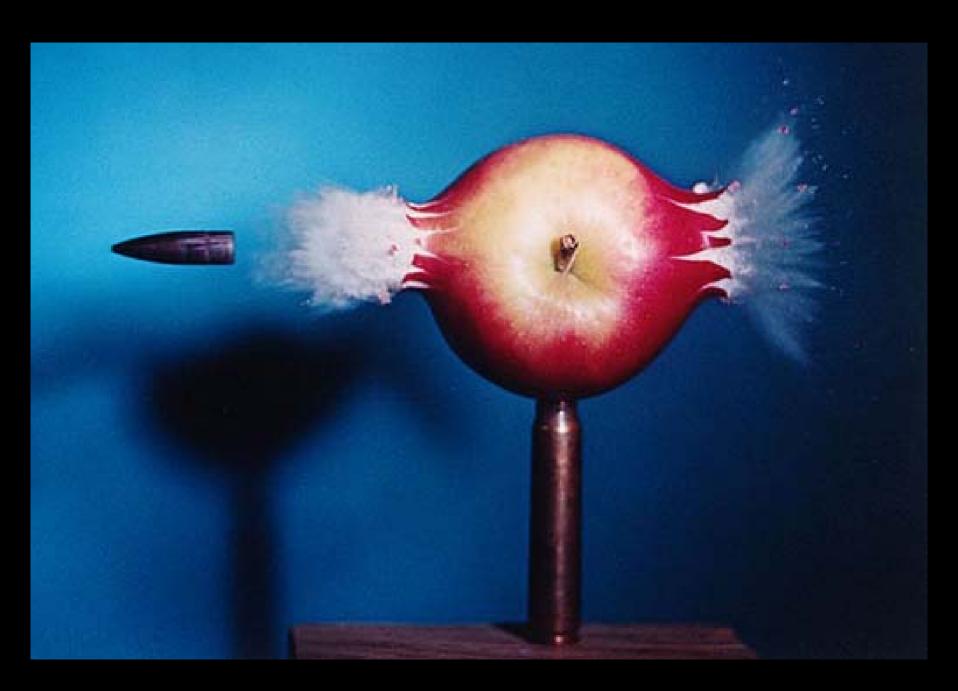


Henri Cartier Bresson

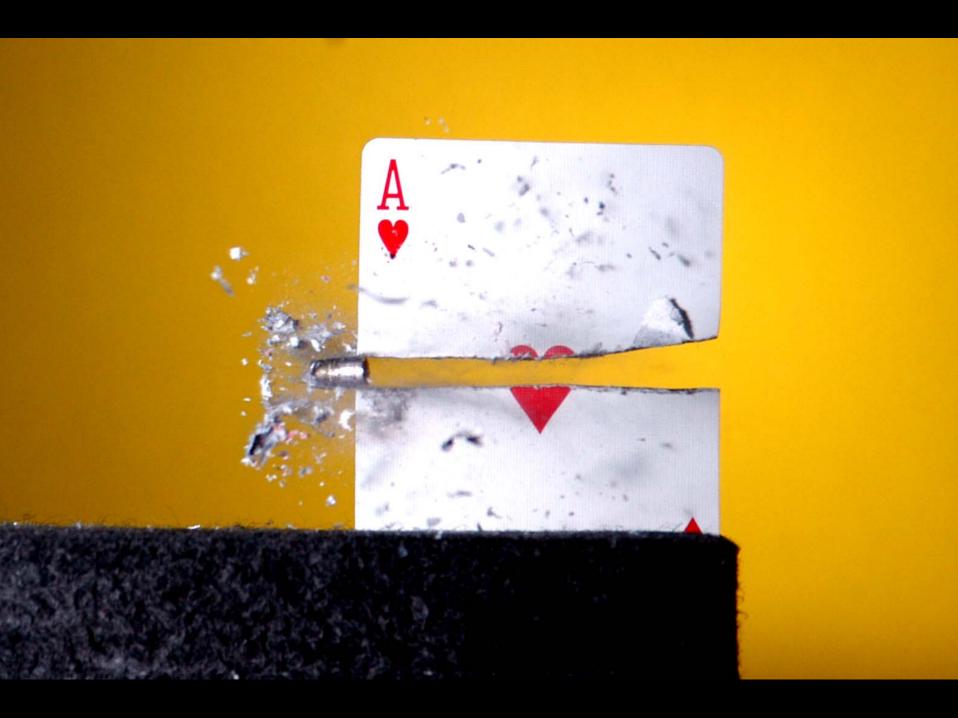
"The decisive moment"



Gary Winogrand





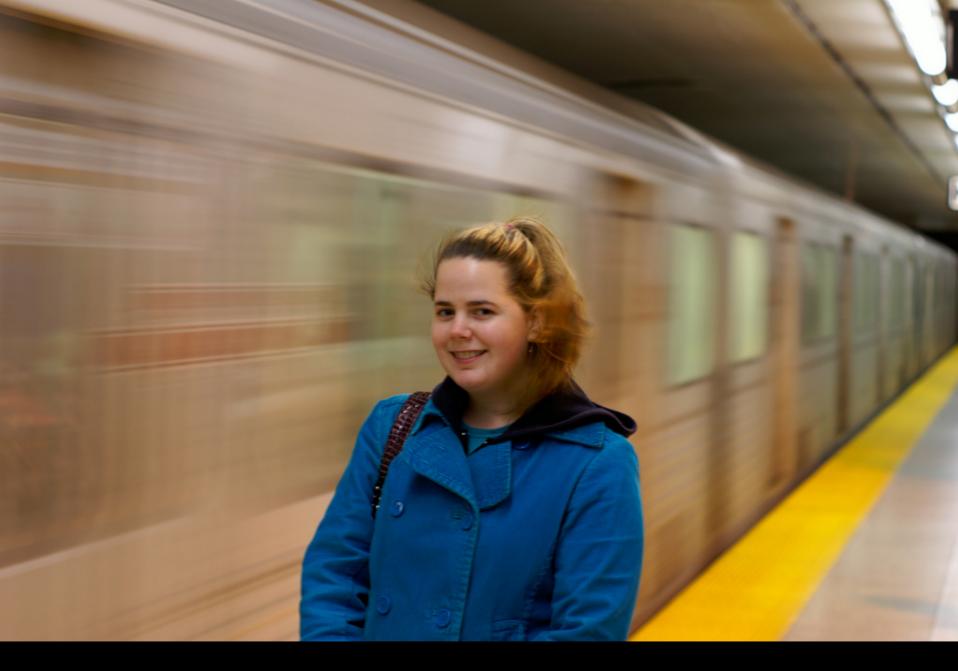






Tomato Juice from concentrate

MET 5.5 FL 0Z (163 mL)



Camera is steady- subject held still- background moved



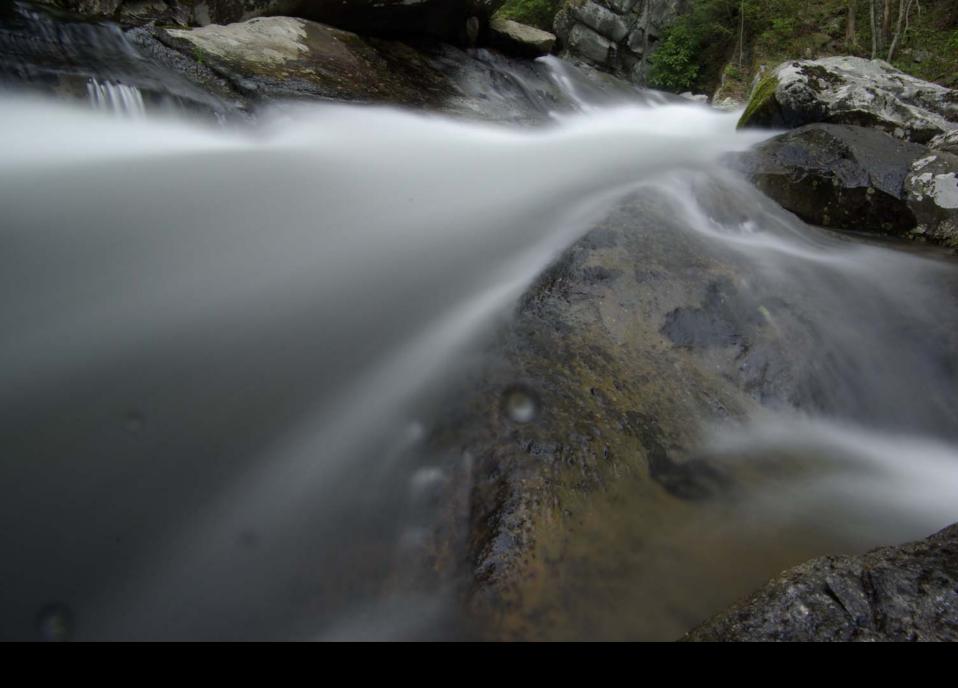
Camera is steady- subject moved across frame



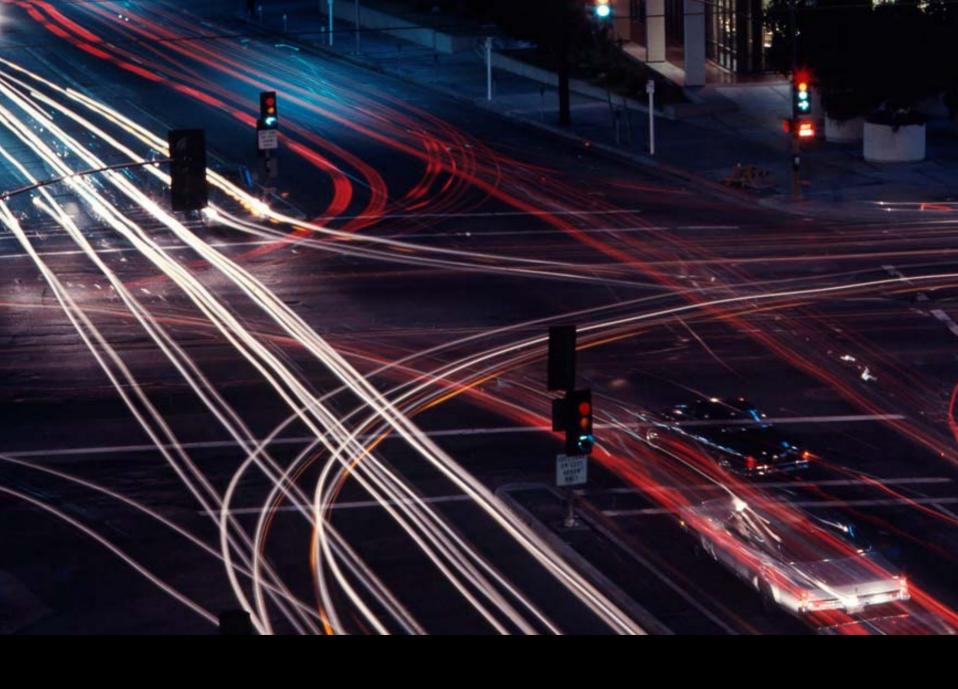
Camera panned with subject



Camera is steady- subject moved



Camera is steady- long exposure



Camera is steady- extended long exposure



Everything moved





Camera is steady- subject moved



Camera is steady- subject moved



Camera is steady- subject moved



Camera panned with suject



Camera is steady- subject moved

Time vs Aperture Priority





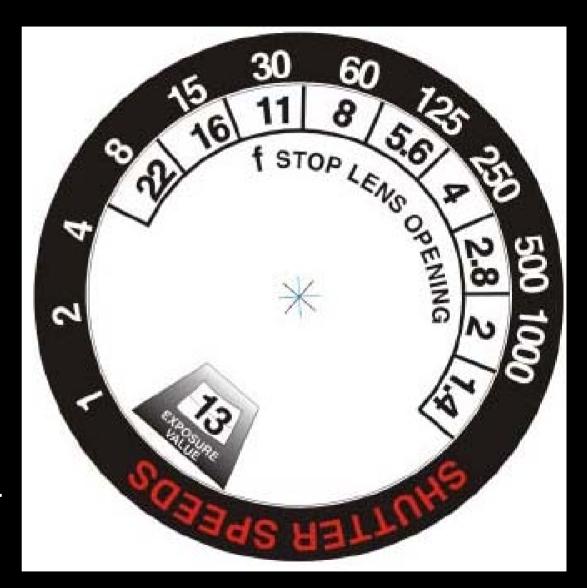
With a camera that has an automatic feature- you set one and the camera sets the other. On a manual camera, you first set the aperture or shutter speed and then set the other- centering a meter needle or getting the green light.

There are more shutter speed choices than aperture choices.

It is best to set the aperture first and then set the shutter speed or let the camera automatically set it for you.

For a fast shutter speedpick a large aperture (smallest number) (f 1.4)

For a slow shutter speedpick a small aperture (large number) f/16

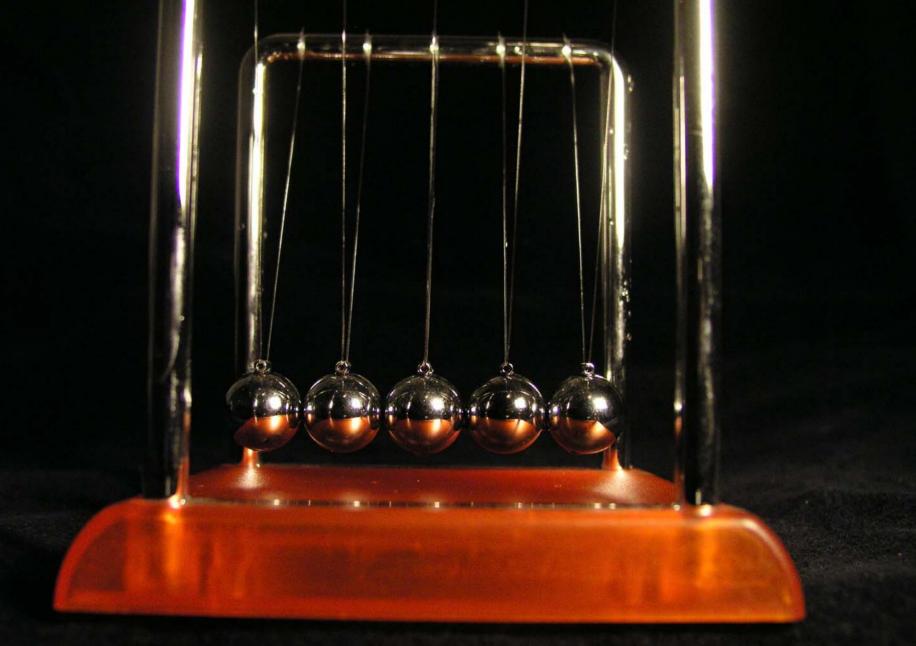




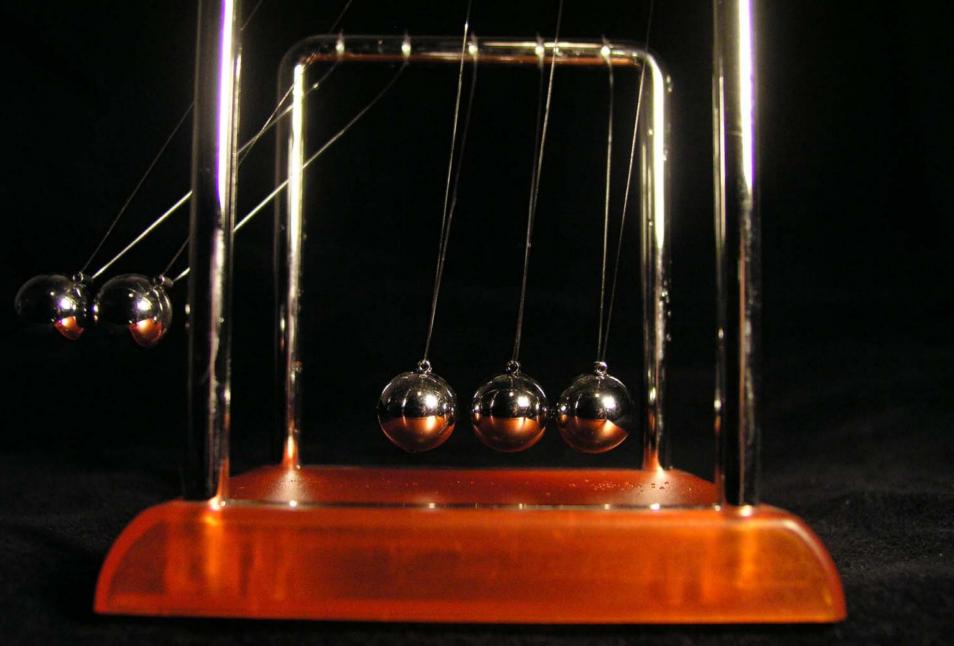




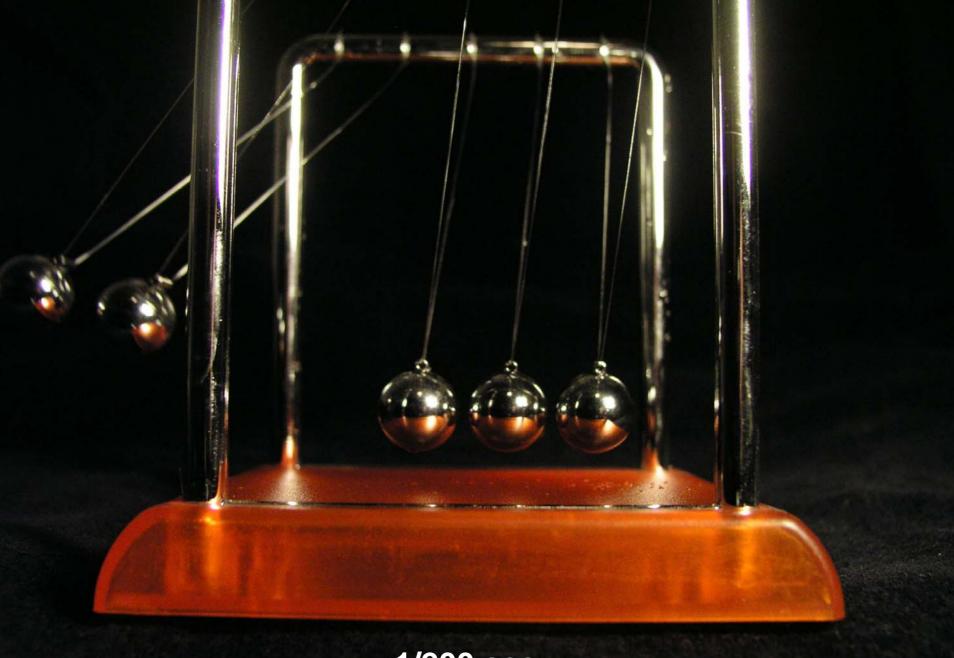




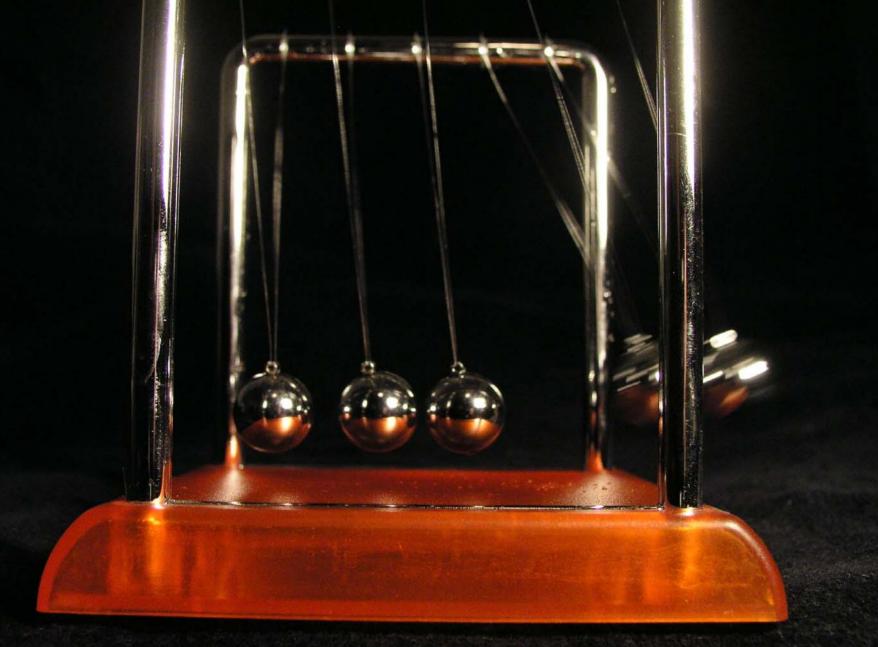
Still



1/320 sec



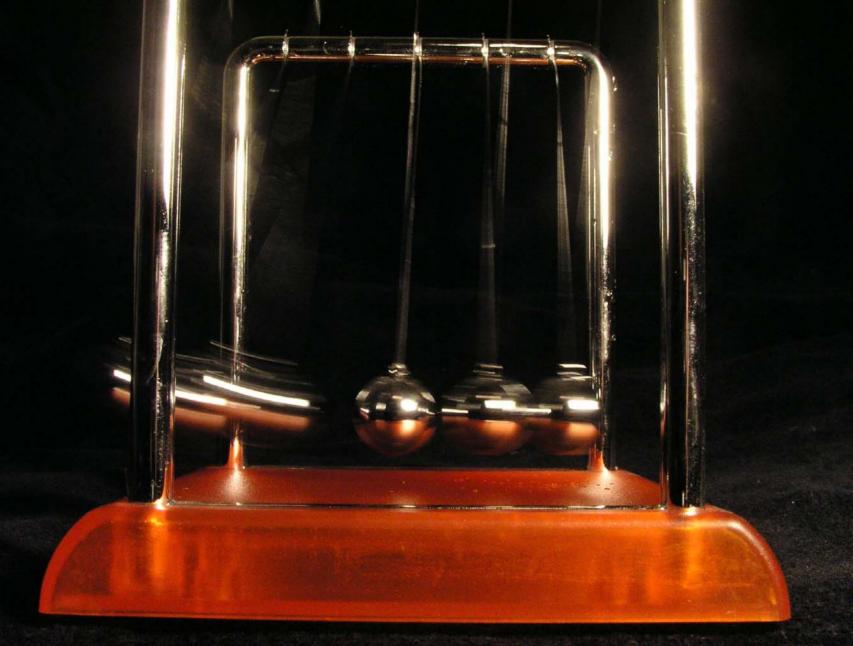
1/200 sec



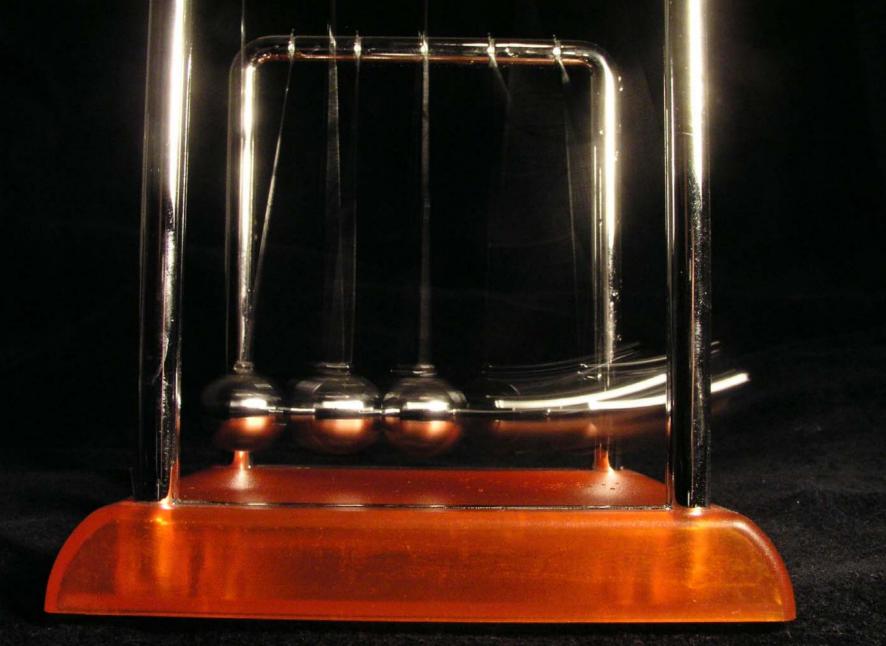
1/125 sec



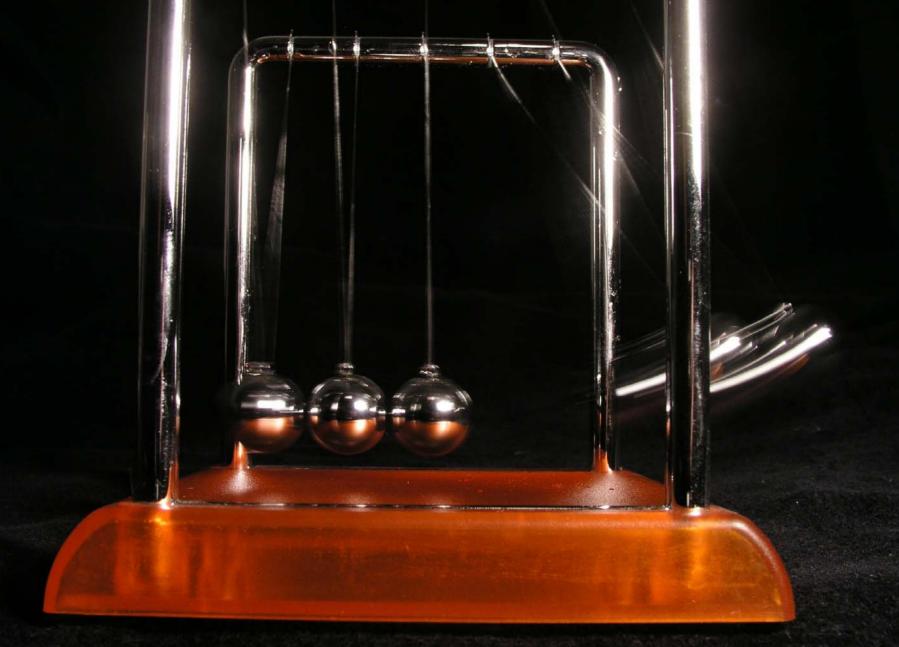
1/40 sec



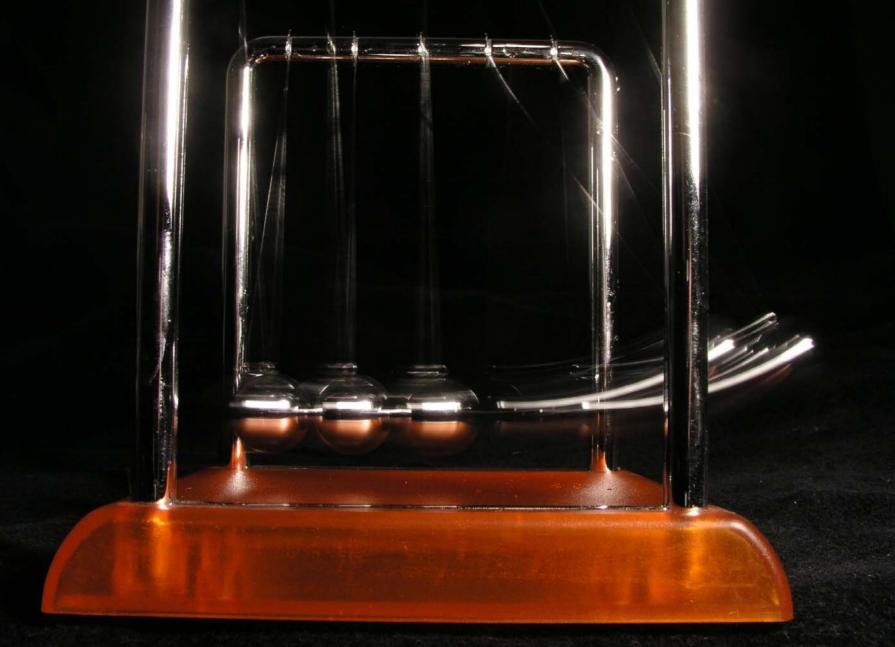
1/20 sec



1/15 sec



1/8 sec



1/5 sec



1/4 sec



1/2 sec



1 sec



1.3 sec