

MIT Student Art Association Spring 2011

Digital Photography

Controlling Motion

Shutter Speeds

What are your options?

B

Bulb.

Stays on for as long as you press the shutter button.

T

Time.

Keeps the shutter open when you press the shutter button once. Closes the shutter when you press the button a second time.

1/1000 ≥ s

Captures fast action. Needs a lot of light.

$$\mathbf{1/60 \geq s > 1/1000}$$

Medium action. People walking.

$$\mathbf{1/2 \geq s > 1/60}$$

Tripods become necessary, especially with shaky hands. Not really enough to capture too much of motion trail, just motion blur.

$$s \geq 1''$$

Longer motion trails. Needs an area with less light,
or a small aperture.



1/1250 sec



1/250 sec



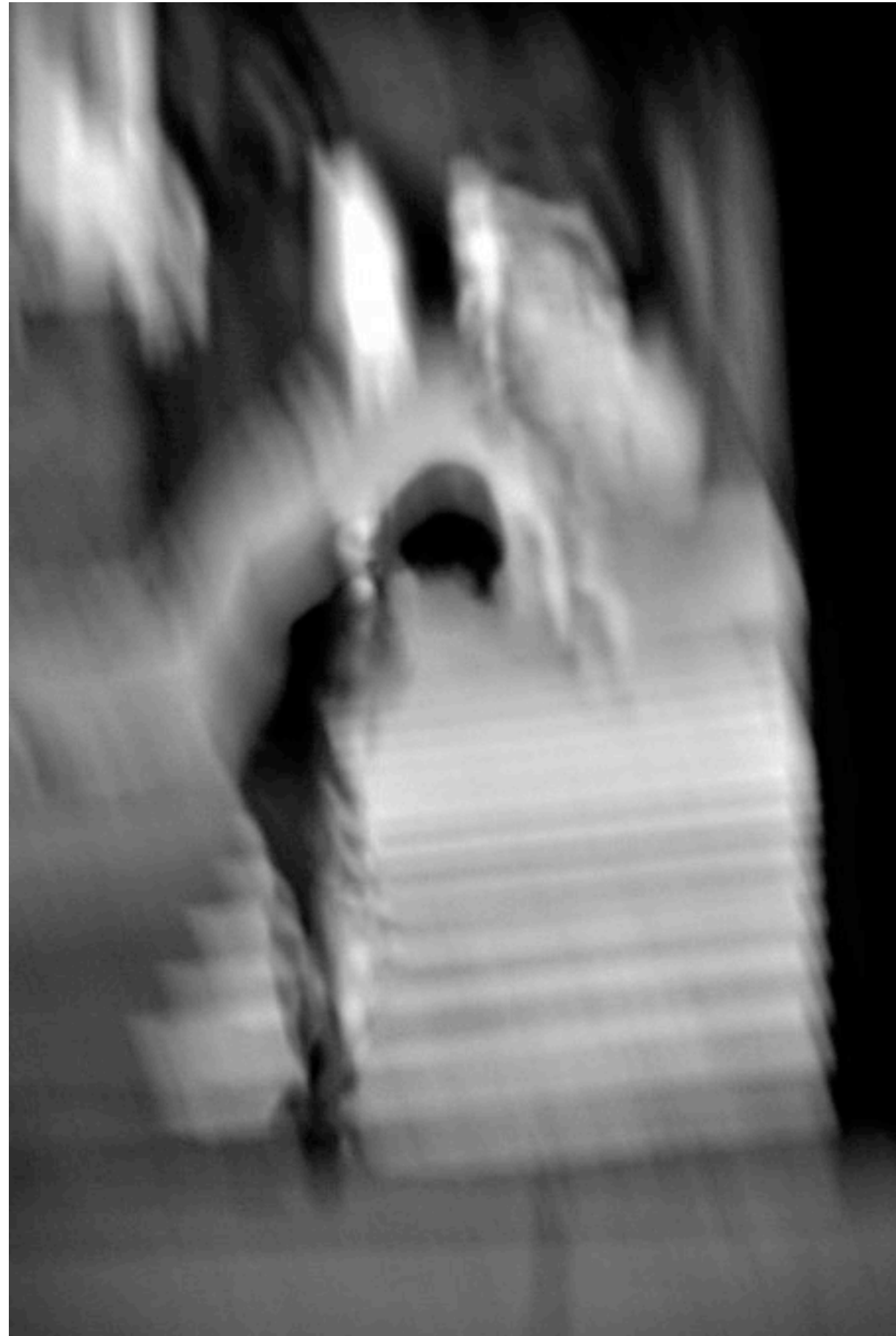
1/50 sec



panning at 1/50 sec









Exposure

Aperture + Shutter Speed + ISO