Dancing Buildings

This technique comes from music videos where inanimate objects dance to the beat of a song and here we'll create that effect.

Ingredients

- The shot that has the items you'd like to have move to the beat
- A piece of music, preferably percussion heavy

The Effect

Step 1—Create a new composition in After Effects and import our dancingbuildings.mov and put it in the time line. Open our audio file, hh.aif, and drag and drop it into the time line.

Step 2—Highlight the audio layer and go to Animation > Keyframe Assistant > Convert To Audio Keyframes. This will create a new Null layer called Audio Amplitude. The keyframes on this layer will be data based on information gathered from its audio waveform.

Step 3—Duplicate the footage layer and Mask out the center building's top half. Rename the layer "center building".

Step 4—On our "center building" layer apply Effects > Distort > CC Bender. Set the Top and Base crosshairs to the top and bottom of our masked area. For style, choose Marilyn. Option-click the stopwatch for Amount and drag the pickwhip from CC Bender to the Both Channels slider under Audio Amplitude.

Done—Repeat this process on the other two tall buildings in the frame. On the other two, experiment with using a different style under CC Bender. This look is very cartoonish and fun and will spice up an otherwise dull shot.

www.cs.uni.edu/~jacobson/2880/oct31

→ building to dance.mov
→ line.aif
decay_final = Math.exp(-time*5.3/decay);

if (decay < time) {
    decay_final = 0;
}

Y = amp * (Math.abs(Math.cos(freq*time*2*Math.PI)) * decay_final);
position = [0, Y];

Why do you look for the lowest point in the GRAPH, according to the video tutorial?

How do we make the bounces happen more often over time as the ball or the phrase bounces off the ground or the floor?

http://www.motionscript.com/
Amplitude, Frequency, and Decay SLIDER controls.

Effect menu > Expression controls > Slider Control was used. It was duplicated twice.

http://library.creativecow.net/articles/toula_jesse/Gravity-in-After-Effects/video-tutorial

21:00 – 24:00 (from the 21st to the 24th minute of the Gravity in After Effects video tutorial covers the creation and use of the Amplitude, Frequency and Decay slider controls.

QUIZ on Wednesday, November 9th and on Wednesday, November 16th.