

WNM 663: Advanced Topics in Motion Graphics Spring 2013

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Assignment 1: Optical Poem

<http://vimeo.com/43103220>

Using Fishinger as inspiration, build an animated composition that reviews basic skills & create a beautiful motion piece.

- 1920x1080
- 10 second composition
- Use at least 1 layer, 1 mask, 1 shape layer
- Use Black for a background color
- Use at least 2 different colors for your objects
- Use parenting
- Use nested compositions
- Use a motion expression

Inertial Bounce

Inertial Bounce is like making your moves "rubbery." Layers will overextend, then settle into place on position and rotation keyframes.

```
// Inertial Bounce (moves settle into place after bouncing around a little)
```

```
n = 0;
if (numKeys > 0){
n = nearestKey(time).index;
if (key(n).time > time){
n--;
}
}
if (n == 0){
t = 0;
}else{
t = time - key(n).time;
}

if (n > 0){
v = velocityAtTime(key(n).time - thisComp.frameDuration/10);
amp = .05;
freq = 4.0;
decay = 2.0;
value + v*amp*Math.sin(freq*t*2*Math.PI)/Math.exp(decay*t);
}else{
value;
}
}
```

