

# Physical Computing

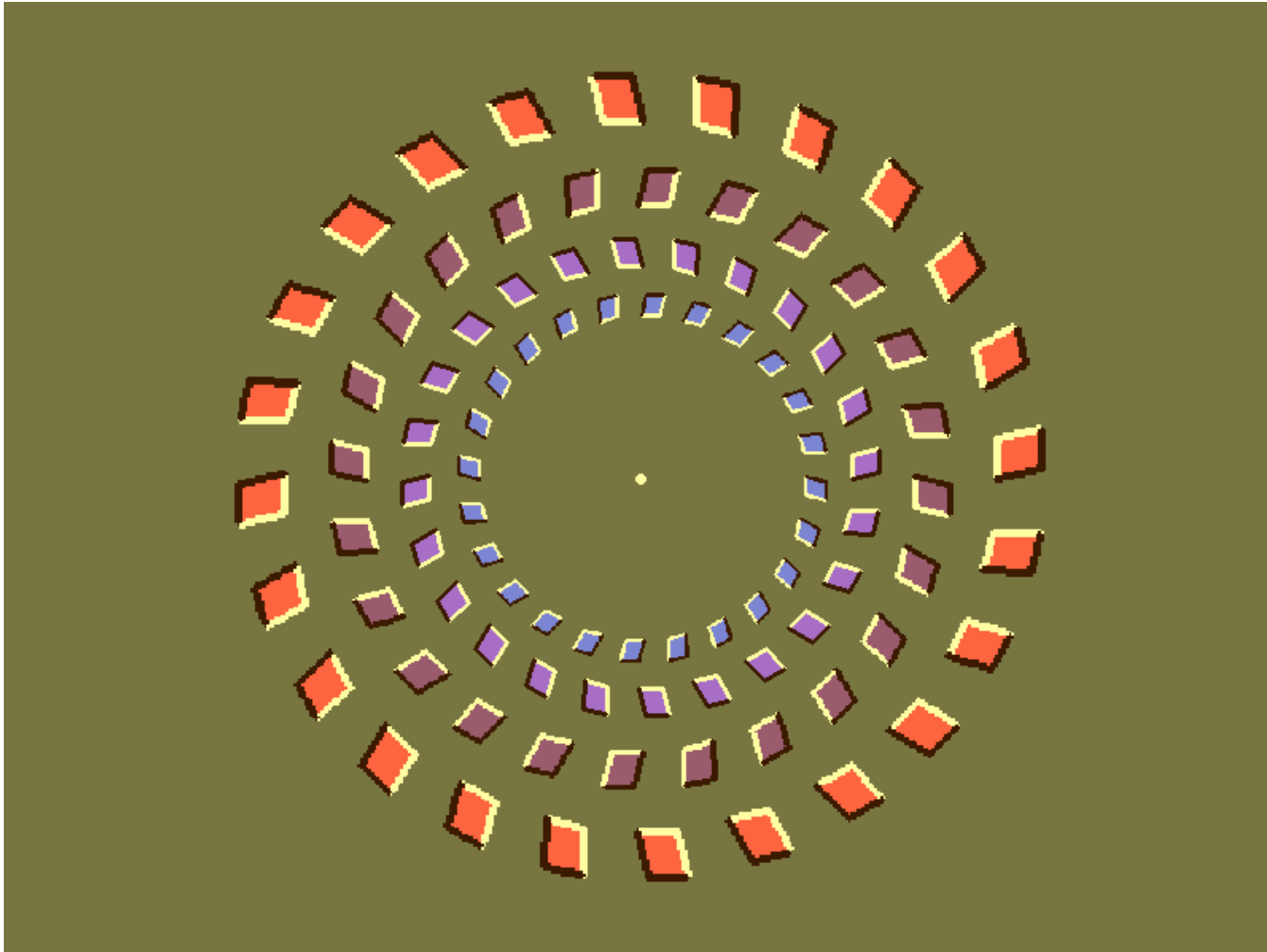
<http://itp.nyu.edu/physcomp/>

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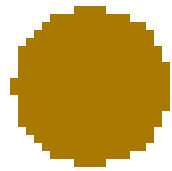
Thursday, Nov. 8th, 2007

# motion is constructed

<http://itp.nyu.edu/~hs420/constructedmotion.png>



# movement



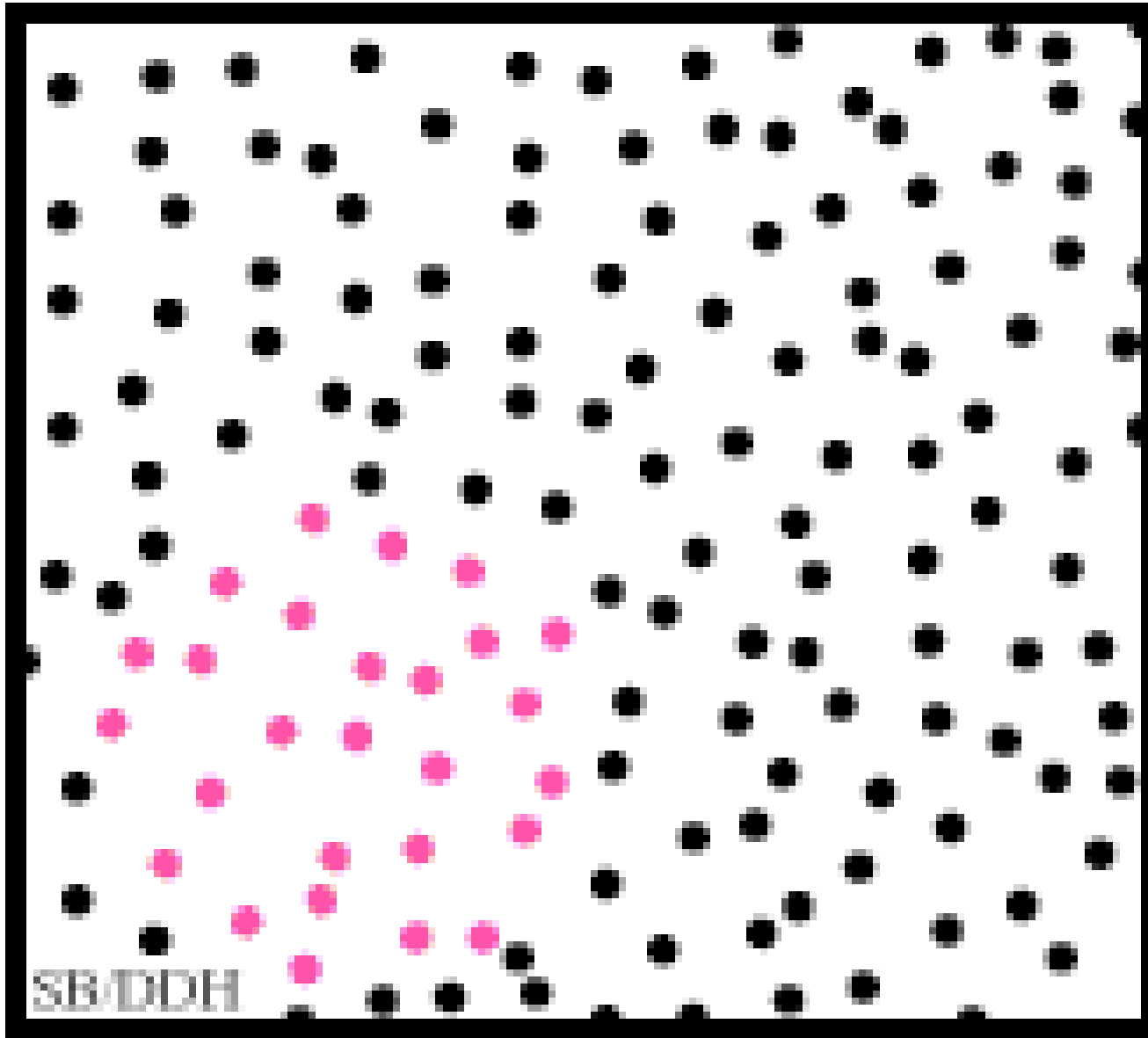
334

# grouping

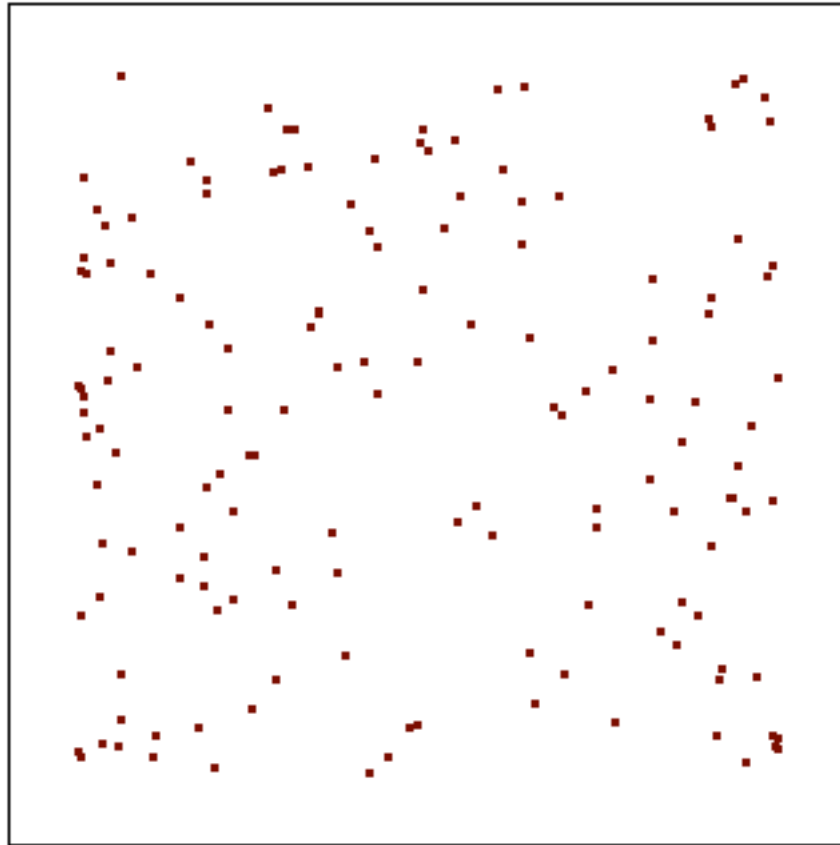


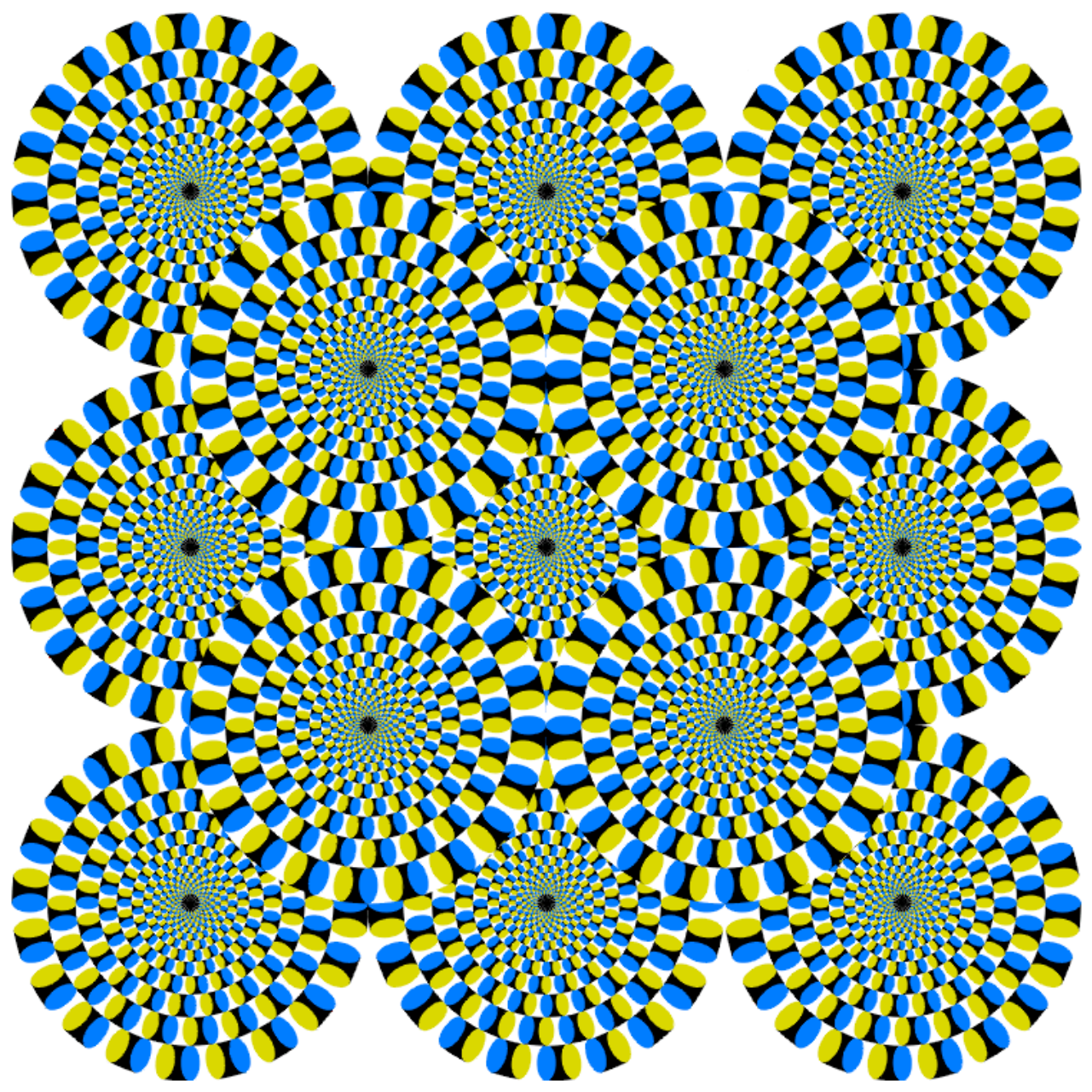
1312-4

# something in the woods...



# grouping into shapes





# learning from strokes

- facial perception
- perception of motion
- proprioception
- many other examples



# continuum of cognitive load

sensory → perceptual → cognitive → symbolic → linguistic → semantic

- sensory: color, loudness, touch
- perceptual: motion, loudness, inertia
- cognitive: presence, a voice
- symbolic: letter, icon, earcon, braille
- linguistic: words, intonation of words, music
- semantic: sentences, phrases
- (thanks to Brad Paley for the schema)



# phantom limbs

Radio Lab: Where Am I?

# phantom limbs

Radio Lab: Where Am I?



# final project

<http://itp.nyu.edu/physcomp/Intro/FinalProject>

- the same idea as the midterm project
- you can work alone or in groups of up to three
- document each step as you go
- make sketches, prototypes, user tests, etc.
- emphasis on clear interaction and sensing actions
- should generate timely and appropriate responses
- present progress in alternating classes until the end

# assignment for next week

- group one presents prototypes
- bring your projects, and we'll workshop them
- no reading/no reading
- keep writing in your journals, document your work