Lecture 6 – Comparisons are important

How do you do color vision?

- Wavelength is not color
- Spectrum
- Bees
- Sun
- Etc

Univariance is a problem

- Comparisons are useful

Trichromacy

Metameters

What is the difference between additive and subtractive color mixture?

- Opponent processes. \((L-M)/(L+M)\)

- Discarding the illuminant: Brightness constancy & Color constancy

- Comparisons are still useful

- Remember those 14 orders of magnitude?

How do you do orientation?

- If the trick works once…… (What is the Tilt Aftereffect?)

How do you do motion?

- If the trick works \emph{twice}…….(What is the Motion Aftereffect?)

How do you do color X orientation

- Is this the same trick?…..(What is the McCollough effect?)

\textbf{ASSUMING WE HAVE SOME TIME:}

A comparison that doesn’t work

- Change blindness

- What does it mean?