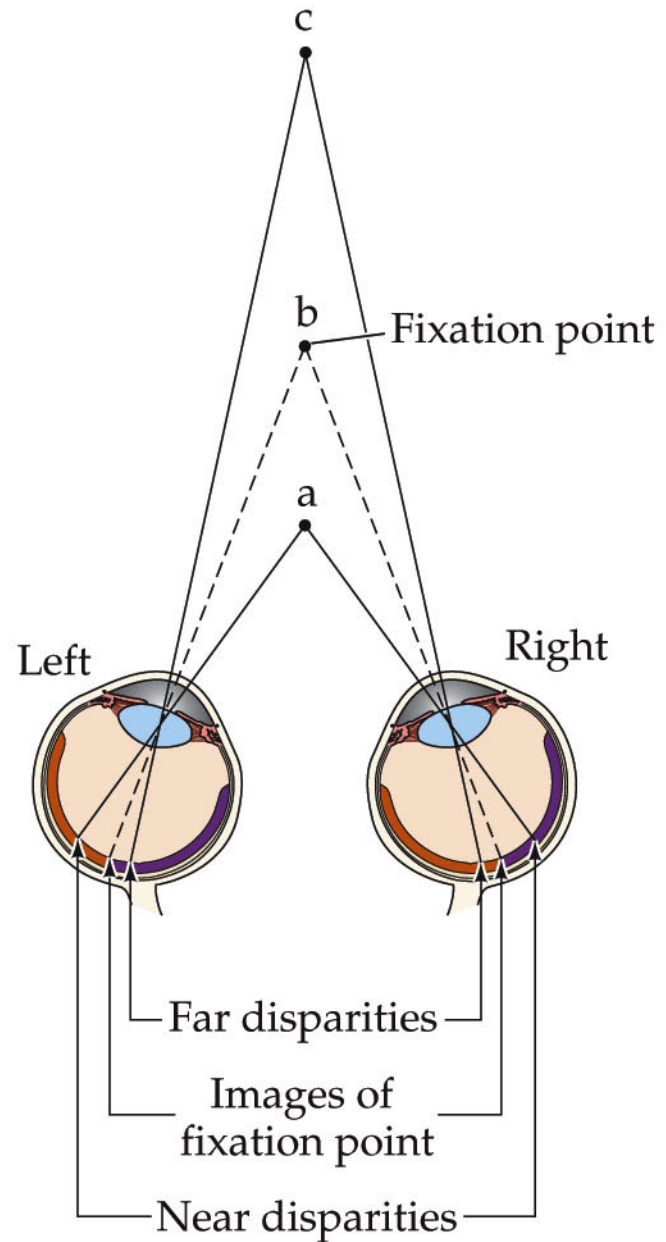


inocular disparities are
interpreted as depth



Two eyes are better than one: Stereo Vision

- Visual system constructs a 3-dimensional view of the world by using disparity (different angles) of view from your left and right eyes.
- Because your eyes are separated, each eye perceives a slightly different angle or view of the world
- The visual system uses this information to compute the best three dimensional interpretation of the flat images on your retina

Depth Perception

- MONOCULAR CUES

- Texture
- Brightness
- Object size & position
- Used by visual system to obtain information about depth

BINOCULAR CUES

Disparity is a cue that requires binocularity



Only the Left Eye (Red Lens)
can See Red

Both Eyes can See Red + Blue

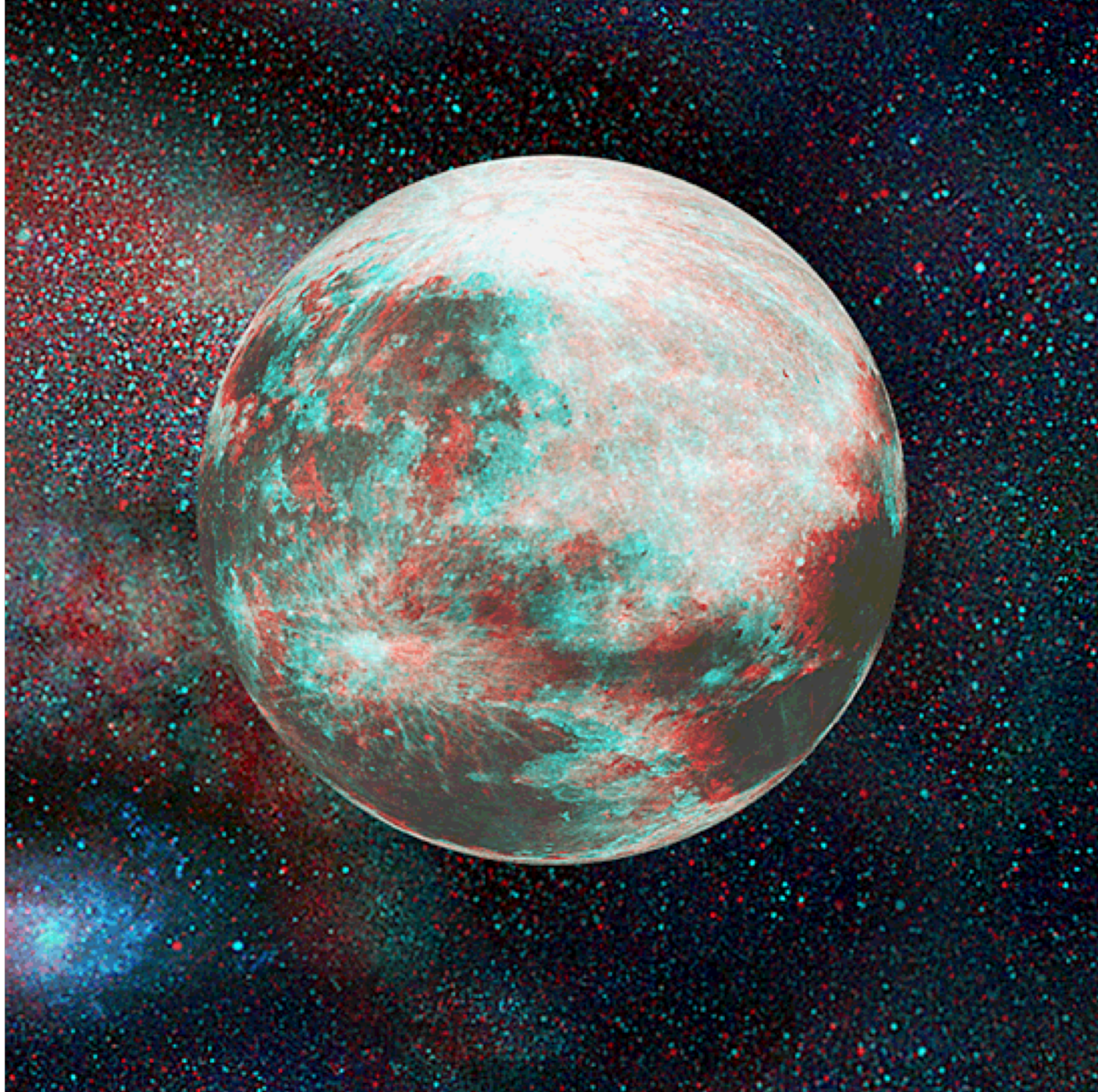
Only the Right Eye (Blue Lens)
can See Blue

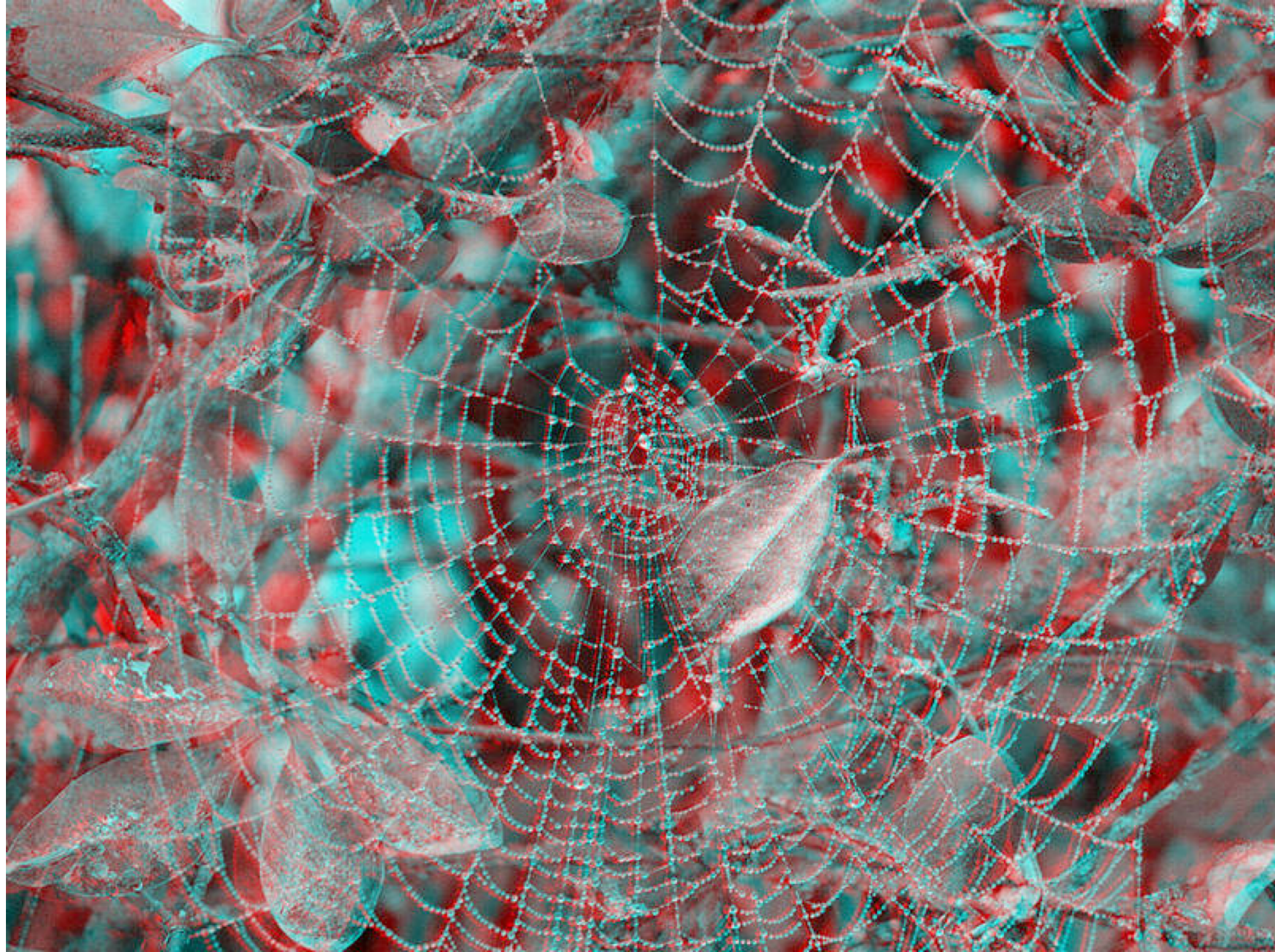
NEW slide, All new text

Anaglyphs









Akinetopsia

- Cortical motion blindness resulting from bilateral damage to area V5 (Medial Temporal lobe).
- The world is seen as a series of static images.

