Concurrent Processing in the Primate Visual cortex

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Outline

• Overview
  – Concurrent
  – From cues to perceptions

• Anatomical organization of the macaque visual system
  – Areas, hierarchies, and the dorsal-ventral stream
  – Compartments and streams

• Mapping function onto structure
  – Subcortical representations
  – Neuronal representations at the cortical level
  – Distribution of response selectivities
  – Summary of physiological findings

• Conclusions: filters, feature detectors, and factories revisited
MOTION

VELOCITY

DEPTH

BINOCULAR DISPARITY

FORM

ORIENTATION

COLOR

SPECTRAL COMPOSITION