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Extrastriate

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Synonyms

[Brodmann areas 18, 19](#); [Heterotypic visual cortex](#); [Secondary visual cortex](#); [V2](#), [V3](#), [V4](#), [V5](#)

Definition

The extrastriate cortex refers to occipital cortical areas found anterior to the striate cortex (i.e., primary visual cortex), corresponding to visual areas 2, 3, 4, and 5 in primates. The extrastriate consists of heterotypic cortical neurons that may respond to different types of inputs relative to the

primary visual information arising from the primary visual cortex. Accordingly, it plays an essential role in mid-level visual processing or what neuropsychologists often refer to as visual integration. Extrastriate neurons tend to respond to visual stimuli within receptive fields, with these responses modulated by other cognitive processes, such as motivational signals, attention, working memory, and response demands.

Cross-References

- ▶ [Cortical Magnification](#)
- ▶ [Enhancement](#)
- ▶ [Feature Detection](#)
- ▶ [Lateral Inhibition](#)
- ▶ [Visual Integration](#)
- ▶ [‘What System’](#)
- ▶ [‘Where System’](#)