



An Introduction to the Biology of Vision

By James T. McIlwain

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This main goals of this text are to provide undergraduates with a working vocabulary and knowledge of the biology of vision and to acquaint them with the major themes in biological vision research. Part I treats the eye as an image-forming organ and provides an overview of the projections from the retina to key visual structures of the brain. The second part builds on this material, examining the functions of the retina and its central projections in greater detail. Part III addresses certain advanced topics in vision. This book is intended for use in a course for undergraduates in biology, neuroscience, or psychology who have had an introductory course on the nervous system. It is also useful as an ancillary graduate-level text.

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"This review was an easy assignment, for any book by James McIlwain would have to be a gem, and this one did not disappoint. It thoroughly describes the processes of early vision, with numerous black-and-white illustrations and a tight organization...the book is a superb introduction to the state of the art in vision science." Colin C. Beer, The Quarterly Review of Biology

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