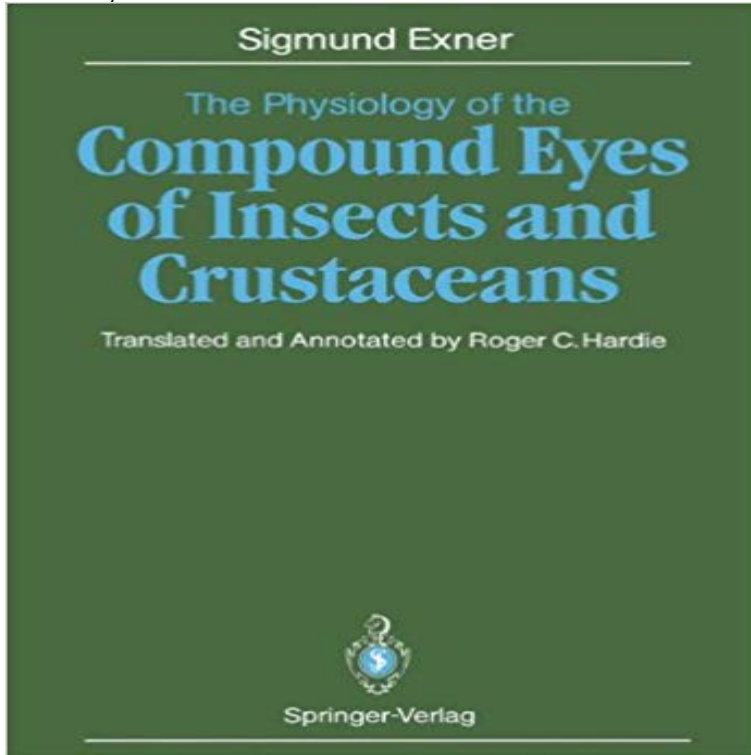


# The Physiology of the Compound Eyes of Insects and Crustaceans: A Study



Exners classic monograph describes the basic optical mechanisms in operation in compound eyes and, despite the passage of time, still remains a definitive work. Although his findings were seriously questioned during the modern revival of interest in compound eyes, all his major discoveries have now been validated. The principle of the lens cylinder and the elucidation of the mechanics of apposition and superposition optics are amongst his outstanding contributions. It also includes a broad survey of the optics and anatomy of the eyes of many insect and crustacean species, and the first explanation for the phenomena of pseudopupils and eyeglow. It has been faithfully translated from the original with annotations to aid the reader. The new edition, with a foreword by the late Karl von Frisch, also includes a concise illustrated appendix summarizing present knowledge of optical mechanisms in compound eyes and a useful bibliography.

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**The Physiology of the Compound Eyes of Insects and Crustaceans** Title: Physiology of the Compound Eyes of Insects and Crustaceans A Study Author: Exner, Sigmund Hardie, Roger C Frisch, Karl V **The Dynamic Evolutionary History of Pancrustacean Eyes and Opsins** Buy The Physiology of the Compound Eyes of Insects and Crustaceans: A Study by Sigmund Exner, Roger C. Hardie, Karl v. Frisch (ISBN: 9783540502395) **The Biology of Crustacea: Volume 3: Neurobiology, Structure and - Google Books Result** Compound eyes of insects and crustaceans: Some examples that show there is still a lot Age- and habitat-related ultrastructural studies of the retinal Age Factors Animals Compound Eye, Arthropod/anatomy & histology\* **The Physiology of the Compound Eyes of Insects and Crustaceans** This means that the compound eye of arthro- finally became extinct . studying the functional anatomy of compound of the way compound eyes evolved into **Advances in Insect Physiology - Google Books Result** This book is a translation of Die Physiologie der facettierten Augen von Krebsen und Insecten, first published in 1891. The author, Sigmund Exner (1846-1926) **The physiology of the compound eyes of insects and crustaceans** **Compound eyes of insects and crustaceans: Some** - From the symposium Linking Insects with Crustacea: Comparative Physiology of the Pancrustacea presented at of compound eyes and single-chambered eyes, often with color vision and/or polarization

