

PREFACE

This book argues for a complete revision in the way we think about the distinction between the perception and the cognition of visual space. For too long the literature has offered a false dichotomy between (a) the perception of visual space and (b) our conscious judgements of visual space. In this book I argue that there is a distinct intermediate level, namely (c) our unconscious post-perceptual judgements of visual space. I argue that pictorial cues operate at this level, and consequently so too must Cue Integration (the integration of depth cues into a single coherent percept). Not only does this argument require us to re-evaluate (a) the distinction between perception and cognition, (b) Cue Integration, and (c) pictorial space, it also requires us to reconsider (d) how we experience depth with one eye. It also has implications for neurophysiology (if Cue Integration operates at the level of V2, does this imply V2 is engaged in cognition rather than perception?) and clinical psychology (questioning the thesis that Cue Integration is reduced in schizophrenia because subjects see ‘more clearly through psychosis’). A full introduction is provided by Chap. 1. This book began as a response to the literature on depth from one eye, and I am very grateful for the comments and encouragement that I received from Jan Koenderink and Dhanraj Vishwanath on this initial draft in September 2015, as well as to Chris Frith and Vid Simoniti for kindly reading over that work. I also benefited immensely from the comments of two anonymous reviewers, a discussion with Brian Rogers, and the presentation of elements of this work

at City, University of London in April 2016 to Simon Grant, Michael Morgan, Joshua Solomon, and Christopher Tyler. Since April 2016, this work has continued under the supervision of Christopher Tyler whose knowledge, insight, and support have been absolutely invaluable and have improved this work immeasurably. I cannot thank him enough. I must also thank Dhanraj Vishwanath for his extensive and invaluable comments on the whole manuscript in September 2016 and his further comments in December 2016 and March 2017, and Marty Banks for his extremely helpful and constructive comments in September 2016 on Cue Integration in Chap. 2 and defocus blur in Chap. 4. I must thank Jan Koenderink for very kindly providing me with illustrative examples of his Paradoxical Pseudo-Parallax principle (Koenderink, 2015), which he has kindly permitted me to reproduce in Fig. 3.7 (© Jan Koenderink, all rights remain with him). I must also thank Natasha Reid for preparing Figs. 4.2 and 4.3, and Hikaru Nissanke for preparing the illustrations for an earlier draft. Finally, I must express my gratitude to all of the Psychology team at Palgrave: Laura Aldridge, Sarah Busby, Eleanor Christie, Zaenab Khan, Joanna O'Neill, and Sharla Plant.

June 2017

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<http://www.springer.com/978-3-319-66292-3>

The Perception and Cognition of Visual Space

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2017, XV, 162 p. 33 illus., Hardcover

ISBN: 978-3-319-66292-3