Spatial Cognition, Spatial Perception
Mapping the Self and Space

Spatial cognition is discussed in relation to the internal mapping of external stimuli (e.g. landmarks and sensory perception of environmental information), the internal mapping of internally perceived stimuli (e.g. kinesthetic and visual imagery), and their subsequent effects on behavior. The diverse ways in which spatial information is encapsulated in perceptual and cognitive processes, allowing the self to move in space, are then examined. Major points and controversies in human and non-human animal spatial cognition, spatial perception, and landmark recognition are discussed comparatively within an evolutionary framework. Written for postgraduate students and researchers, the authors present theoretical and experimental accounts at multiple levels of analysis – perceptual, behavioral, developmental, and cognitive – providing a thorough review of the processes of spatial cognition.

FRANCINE L. DOLINS is a Comparative Psychologist focusing on the spatial cognitive abilities of non-human and human primates in the field and laboratory, examining use of landmarks in large- and small-scale space and in simple and complex environments. Francine Dolins has related interests and publications in animal welfare, captive environmental enrichment, and conservation education, including an edited volume on societal attitudes to animals, and is currently guest editing a special issue of The American Journal of Primatology on conservation education. Her education was at the Universities of Sussex and Stirling in the United Kingdom, and she is currently employed at the University of Michigan-Dearborn.

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Spatial Cognition, Spatial Perception
Mapping the Self and Space
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Francine Dolins dedicates this book to her husband, Christopher Klimowicz, whose patience, creativity and love made it possible.

Robert Mitchell dedicates this book to his partner, Randy Huff, whose frequent wonderment (“Aren’t you done with that yet?”) provided a helpful prod toward the book’s completion.
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Acknowledgments

We appreciate the assistance of several people who helped us produce this book. Dr Martin Griffiths, our commissioning editor at Cambridge University Press, has been a constant support and dealt effectively with all the quirky and frustrating details of copyright. His assistants, Alison Evans and Rachel Eley, also helped to put this volume together. The copy-editor, Gail Welsh, ensured the high quality of this book. We are grateful for the smooth and successful final production of this book ensured by the extraordinary work of Joseph Bottrill from Out of House Publishing Solutions Ltd. Two representatives of Eastern Kentucky University – the Dean of the College of Arts and Sciences, Dr John Wade, and the Psychology Department Chair, Dr Robert Brubaker – provided much appreciated financial support. Francine Dolins would like to acknowledge the wonderful discussions with Dr Merelyn Dolins and Dr Gabriella Day on many aspects of this volume during its creation. Francine would also like to thank Christopher Klimowicz for his patient and detailed editing of her writing.

Finally, our authors generously contributed their work and have waited patiently for the volume's completion. We gratefully acknowledge the support of all.