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Chapter 7 Commutative Eye Rotations in Congenital Nystagmus Abstract; 1. Listing's law; 2. Muscle pulleys; 3. Commutative eye movements and ocular motor instabilities; 4. Methods; 5. Results; 6. Discussion; Acknowledgement; References; PART 3: TRANSSACCADIC INTEGRATION; Chapter 8 Transsaccadic Recognition in Scene Exploration; Abstract; 1. Introduction; 2. The power of single-shot perception; 3. Transsaccadic information integration in scene exploration: The Pit and the Pendulum; 4. Some new data: Transsaccadic object recognition in scenes  
5. Conclusion: Time to put a transsaccadic theory of recognition on the agenda Acknowledgement; References; Chapter 9 How Postsaccadic Visual Structure Affects the Detection of Intrasaccadic Target Displacements; Abstract; 1. Experiment 1; 2. Experiment 2; 3. Experiment 3; 4. Experiment 4; 5. General discussion; Acknowledgements; References; Chapter 10 Transsaccadic Memory: Building a Stable World from Glance to Glance; Abstract; 1. Introduction; 2. Combining basic visual information across saccades; 3. Transsaccadic accumulation of memory for natural scenes  
4. The cost of transsaccadic integration

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Sommario/riassunto

Eye-movement recording has become the method of choice in a wide variety of disciplines investigating how the mind and brain work. This volume brings together recent, high-quality eye-movement research from many different disciplines and, in doing so, presents a comprehensive overview of the state-of-the-art in eye-movement research. Sections include the history of eye-movement research, physiological and clinical studies of eye movements, transsaccadic integration, computational modelling of eye movements, reading, spoken language processing, attention and scene perception, and eye-

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