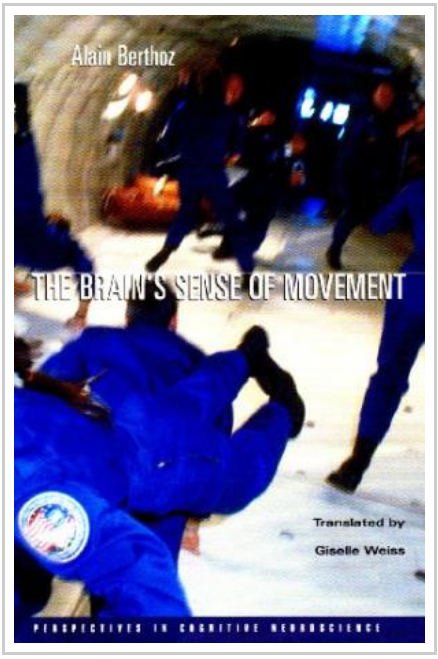

The Brain's Sense of Movement (New edition)

By Alain Berthoz, Giselle Weiss

Harvard University Press. Paperback. Book Condition: new. BRAND NEW, The Brain's Sense of Movement (New edition), Alain Berthoz, Giselle Weiss, The neuroscientist Alan Berthoz experimented on Russian astronauts in space to answer these questions: how does weightlessness affect motion? how are motion and three-dimensional space perceived? In this book, the author describes how human beings on earth perceive and control bodily movement. Reviewing a wealth of research in neuro-physiology and experimental psychology, he argues for a rethinking of the traditional separation between action and perception, and for the division of perception into five senses. In Berthoz's view, perception and cognition are inherently predictive, functioning to allow us to anticipate the consequences of current or potential actions. The brain acts like a simulator that is constantly inventing models to project onto the changing world, models that are corrected by steady, minute feedback from the world. We move in the direction we are looking, anticipate the trajectory of a falling ball, recover when we stumble, and continually update our own physical position, all thanks to this sense of movement. This interpretation of perception and action allows Berthoz, in this work, to focus on psychological phenomena largely ignored in standard texts: proprioception and...

Reviews

This book may be really worth a read through, and a lot better than other. It is really basic but excitement inside the 50 % in the pdf. I realized this pdf from my dad and i encouraged this publication to learn.

-- ***Curtis Bartell***

The book is straightforward in study better to comprehend. It is really simplistic but unexpected situations in the fifty percent of the ebook. Its been written in an exceptionally simple way which is simply after i finished reading through this ebook in which basically altered me, affect the way i really believe.

-- ***Letha Corwin***