



DOWNLOAD



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 Alain 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...



READ ONLINE
[2.06 MB]

Reviews

Comprehensive information! Its this sort of excellent go through. It is packed with knowledge and wisdom You may like just how the author publish this book.

-- **Mustafa McGlynn**

Complete guideline! Its this kind of great read through. It is probably the most incredible pdf i actually have read through. Its been developed in an extremely straightforward way and it is simply soon after i finished reading this book through which actually modified me, affect the way i really believe.

-- **Beryl Labadie I**