



Hand and Brain: The Neurophysiology and Psychology of Hand Movements

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Now available in paperback, **Hand and Brain** is a comprehensive overview of the hand's sensorimotor control. It discusses mediating variables in perception and comprehension, the coordination of muscles with the central nervous system, the nature of movement control and hand positioning, hand-arm coordination in reaching and grasping, and the sensory function of the hand. This book takes a broad interdisciplinary perspective on the control of hand movements that includes neurophysiology, neuroanatomy, psychology and neuropsychology, and biomechanics. The authors, who have all made significant scientific contributions in their own right, have sought to introduce their chosen topics in a manner that the reader is able to follow without sacrificing detailed and up-to-date coverage of the major developments.

Key Features

- * Uses an interdisciplinary approach including behavioral and neurophysiological data
- * Describes a variety of experimental methodologies
- * Treats neural computations necessary for the control of movement
- * Covers implications of biomechanics for control, sensory mechanisms, and perceptual processing (haptics)
- * Includes manipulative hand function as well as reaching
- * Overviews each group of chapters using link sections
- * Contains an integrated index and a glossary

The five sections cover:

- * Mediating variables in perception and prehension
- * The coordination of muscles with the central nervous system
- * The nature of movement control and hand positioning
- * Hand-arm coordination in reaching and grasping
- * The sensory function of the hand

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Olga Snider:

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Thomas Burke:

Spent a free time to be fun activity to perform! A lot of people spent their sparetime with their family, or their particular friends. Usually they performing activity like watching television, about to beach, or picnic inside the park. They actually doing same task every week. Do you feel it? Do you want to something different to fill your personal free time/ holiday? Could possibly be reading a book could be option to fill your cost-free time/ holiday. The first thing you ask may be what kinds of publication that you should read. If you want to try look for book, may be the book untitled Hand and Brain: The Neurophysiology and Psychology of Hand Movements can be great book to read. May be it could be best activity to you.

Kimberly Moore:

A lot of people always spent their particular free time to vacation or maybe go to the outside with them household or their friend. Did you know? Many a lot of people spent these people free time just watching TV, or perhaps playing video games all day long. In order to try to find a new activity that is look different you can read a book. It is really fun to suit your needs. If you enjoy the book that you just read you can spent all day long to reading a reserve. The book Hand and Brain: The Neurophysiology and Psychology of Hand Movements it is quite good to read. There are a lot of people who recommended this book. These folks were enjoying reading this book. Should you did not have enough space to create this book you can buy the particular e-book. You can m0ore simply to read this book out of your smart phone. The price is not too costly but this book provides high quality.

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