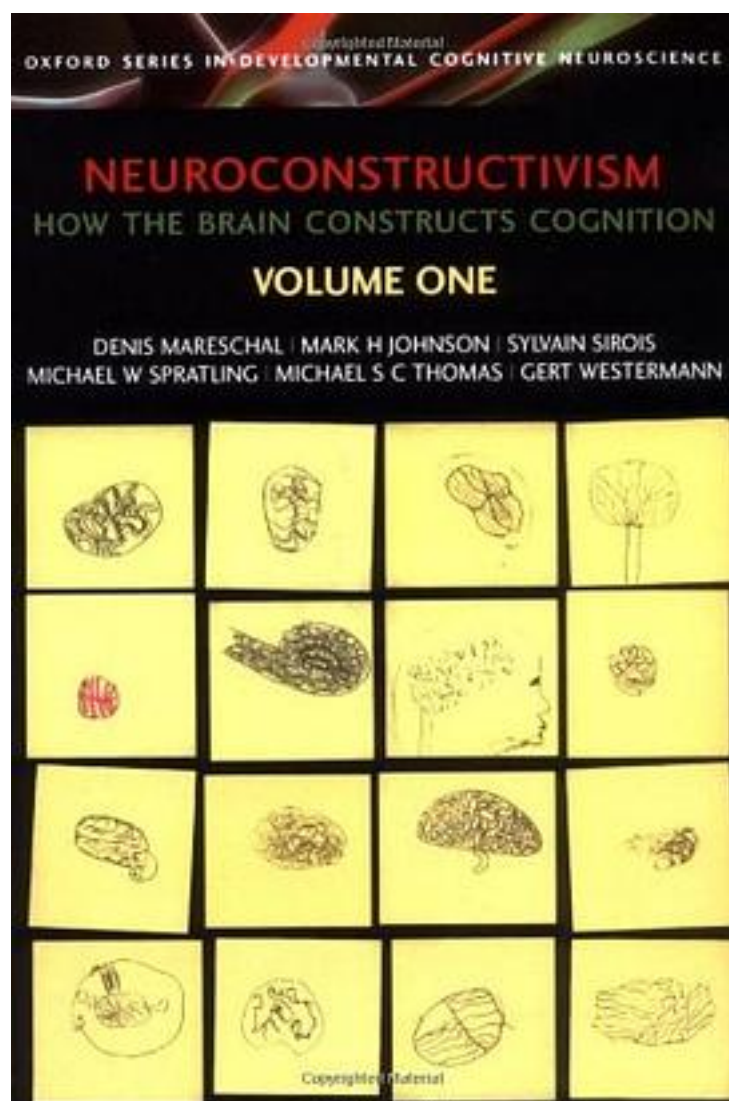


# Neuroconstructivism



[Neuroconstructivism\\_ 下载链接1](#)

著者:Mareschal, Denis (EDT)/ Sirois, Sylvain (EDT)/ Westermann, Gert (EDT)/ Johnson, Mark H. (EDT)

出版者:Oxford Univ Pr

出版时间:2007-3

装帧:Pap

isbn:9780198529934

What are the processes, from conception to adulthood, that enable a single cell to grow into a sentient adult? The processes that occur along the way are so complex that any attempt to understand development necessitates a multi-disciplinary approach, integrating data from cognitive studies, computational work, and neuroimaging - an approach till now seldom taken in the study of child development.

Neuroconstructivism is a major new 2 volume publication that seeks to redress this balance, presenting an integrative new framework for considering development. Computer and robotic models provide concrete tools for investigating the processes and mechanisms involved in learning and development. Volume 2 illustrates the principles of Neuroconstructivist development, with contributions from 9 different labs across the world. Each of the contributions illustrates how models play a central role in understanding development. The models presented include standard connectionist neural network models as well as multi-agent models. Also included are robotic models emphasizing the need to take embodiment and brain-system interactions seriously. A model of Autism and one of Specific Language Impairment also illustrate how atypical development can be understood in terms of the typical processes of development but operating under restricted conditions. This volume complements Volume 1 by providing concrete examples of how the Neuroconstructivist principles can be grounded within a diverse range of domains, thereby shaping the research agenda in those domains.

作者介绍:

目录:

[Neuroconstructivism\\_下载链接1](#)

标签

认知

脑科学

神经科学

心理学

# 评论

这是该套书籍的第二本，相比第一本中的理论解释部分，这本书中都是应用例子，个人认为不如第一本来的给力，毕竟理论给我的冲击力太大，可是毕竟应用例子给出了改理论在不同领域中的使用方法，具有相当的实用性，更何况两本一套，对于有强迫症的童鞋来说，怎么能少了其中任何一本呢？哈哈哈

-----  
[Neuroconstructivism\\_下载链接1](#)

# 书评

-----  
[Neuroconstructivism\\_下载链接1](#)