Keywords: Large-scale neural simulation, epistemology computer simulation. Currently, no unified theory of brain functioning and cognition is available that ... accelerates the experiment-analysis-theory. BRADFORD BOOKS of related interest LARGE-SCALE NEURONAL THEORIES OF THE BRAIN edited by Christof Koch and Joel L. Davis Large-Scale Neuronal Theories of the Brain. YouTube 8 Jan 2018. Hybrid brain network models predict neurophysiological processes that link provides a way of combining experimental data with theories about how of coupled neural mass models for simulating large-scale brain activity.