

Download Connectionist Models In Cognitive Psychology Studies In Cognition

Cognitive science is the interdisciplinary, scientific study of the mind and its processes. It examines the nature, the tasks, and the functions of cognition (in a broad sense). Cognitive scientists study intelligence and behavior, with a focus on how nervous systems represent, process, and transform information. Mental faculties of concern to cognitive scientists include language, perception ...In the field of psychology, cognitive dissonance is the mental discomfort (psychological stress) experienced by a person who holds two or more contradictory beliefs, ideas, or values. This discomfort is triggered by a situation in which a person's belief clashes with new evidence perceived by the person. Our paper, written together by myself and Marcin Mi?kowski, entitled Cognitive artifacts for geometric reasoning was published in Foundations of Science a few days ago (online first, open access). In our joint paper, we claim that explanations of geometric cognition should go beyond methodological individualism and take into account the role of distributed cognitive factors in the shaping of ...Mathematical psychology is an approach to psychological research that is based on mathematical modeling of perceptual, thought, cognitive and motor processes, and on the establishment of law-like rules that relate quantifiable stimulus characteristics with quantifiable behavior. The mathematical approach is used with the goal of deriving hypotheses that are more exact and thus yield stricter ...