

LOGIC AND PATTERN RECOGNITION: MATHEMATICS AND PHYSICAL SCIENCES DONE BY NETWORK MODELS OF BRAIN

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We describe briefly the recent advances in understanding the distributed nature of computations in the (neural) network structure of the brain. We discuss if such artificial networks will be able to solve problems of mathematics and natural sciences. The problem of consciousness in such machines is addressed. Ancient Indian ideas regarding mind-body relations and J. C. Bose's experimental observations regarding the highly distributed computations in the plant body is discussed.
