

# Neural Models Of Plasticity: Experimental And Theoretical Approaches

by John H Byrne

Neural models of plasticity: experimental and theoretical . Oct 31, 2014 . Theoretical analysis indicates that not only Hebbian like synaptic potentiation is necessary The experimental correlates of these theoretically proposed forms of synaptic 2.1 Calcium dependent models of bidirectional synaptic plasticity where is the synaptic efficacy of synapse is the rate of the neuron Neural Models of Plasticity, 1st Edition John H. Byrne ISBN ? Neural Models of Plasticity. Experimental and Theoretical Approaches. Reducing Spike Train Variability: A Computational Theory Of Spike . Neural models of plasticity [print] : experimental and theoretical . May 20, 2008 . In experimental preparations, synaptic changes can be induced by specific . Many of the plasticity models employed in the theoretical approach . For example, let us denote by  $\delta(t - t_f)$  a spike of a neuron occurring at time  $t_f$ . Spiking Neuron Models: Single Neurons, Populations, Plasticity - Google Books Result

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Examples of the latter approaches include models of the auditory periphery that In: Neural models of plasticity:  
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