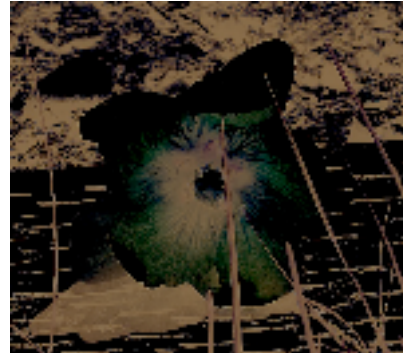


Pulsed Networks

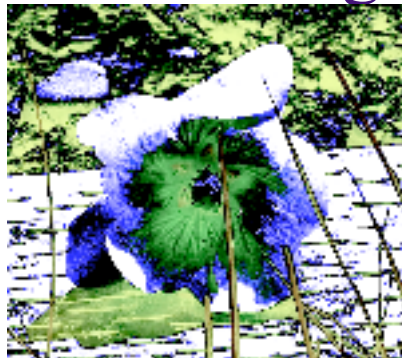
Neil E. Cotter

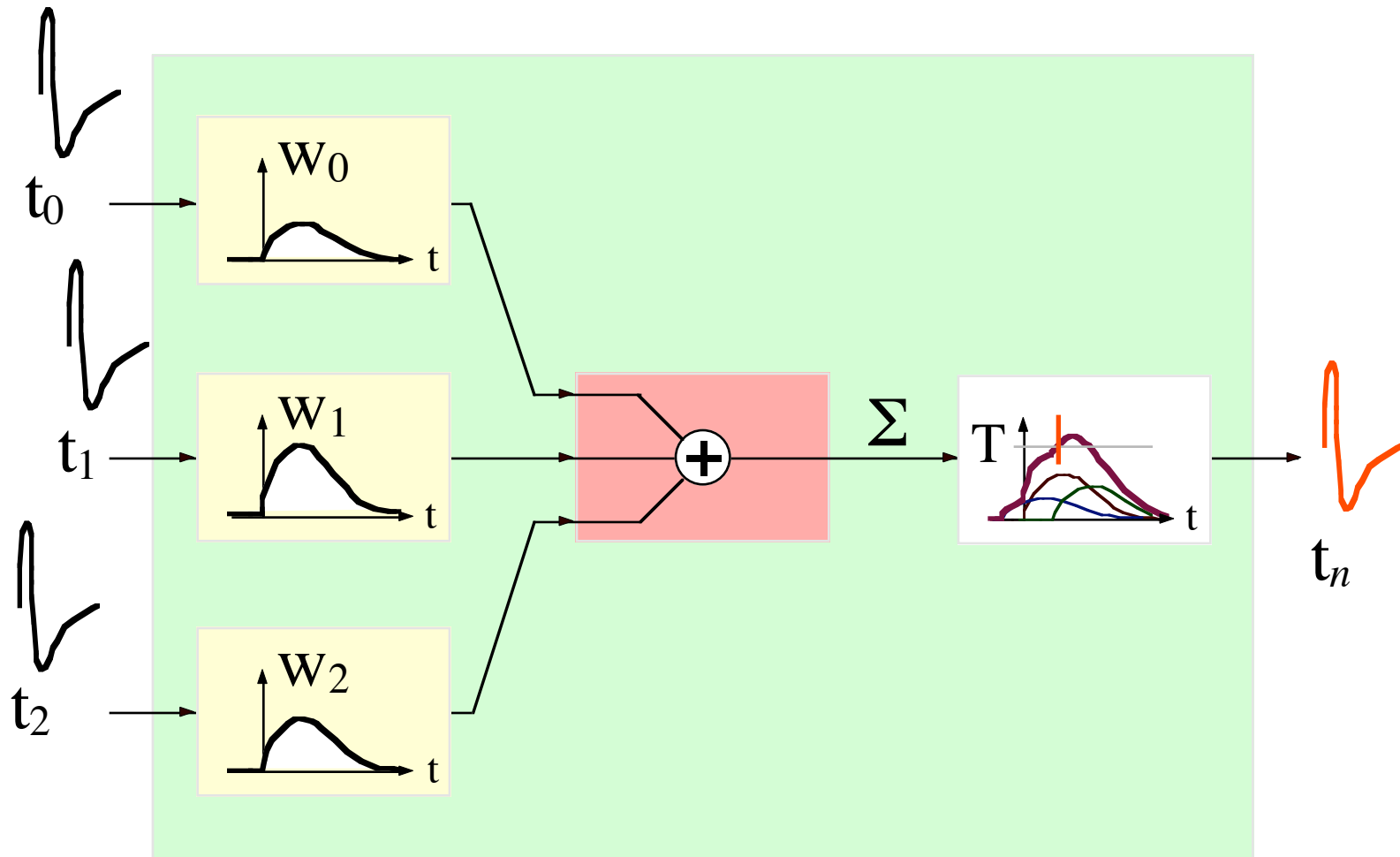
Image recognition in varied settings

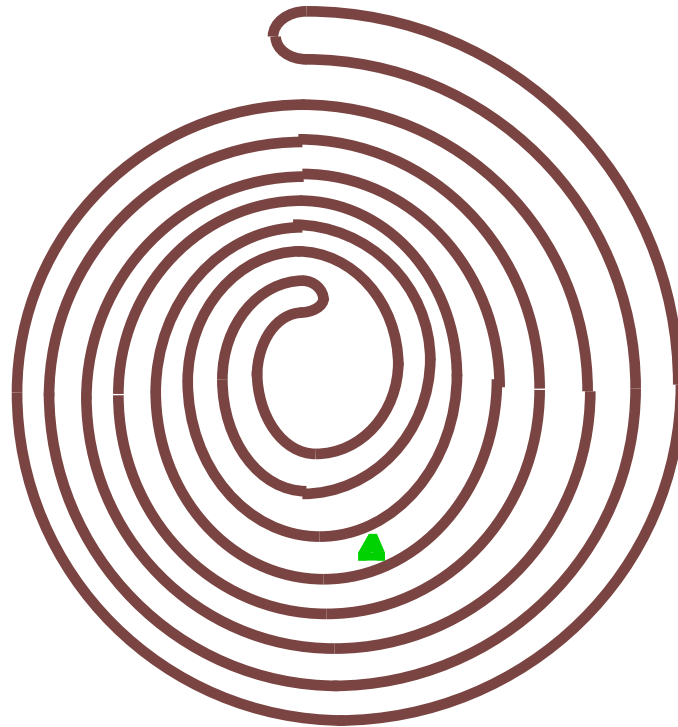


Speech recognition in noise

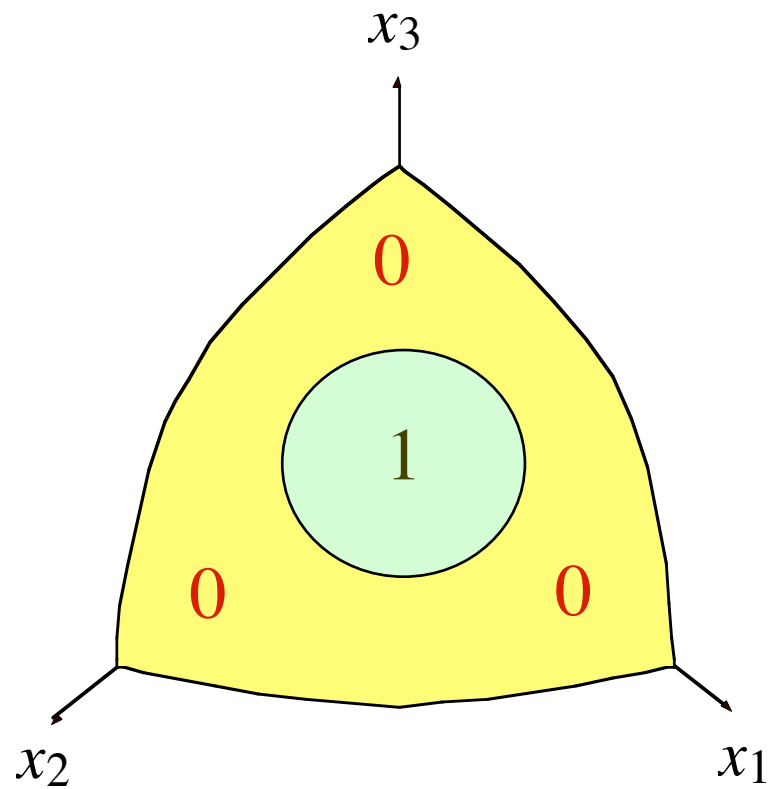
Robotic control and navigation



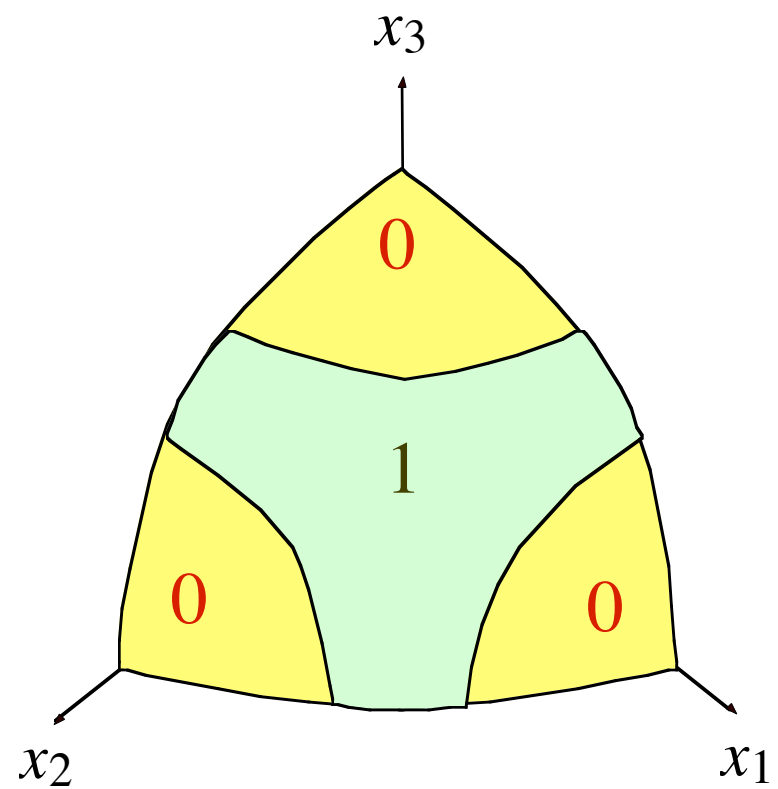




Perceptron



Pulsed Neuron



Pattern windows not understood

Pulse network can solve awesome problems

Created software simulation package:

Arbitrary # neurons

Event driven

Study of pulsed system reveals that
fixed-length bursts are basic building
block of pulsed network.