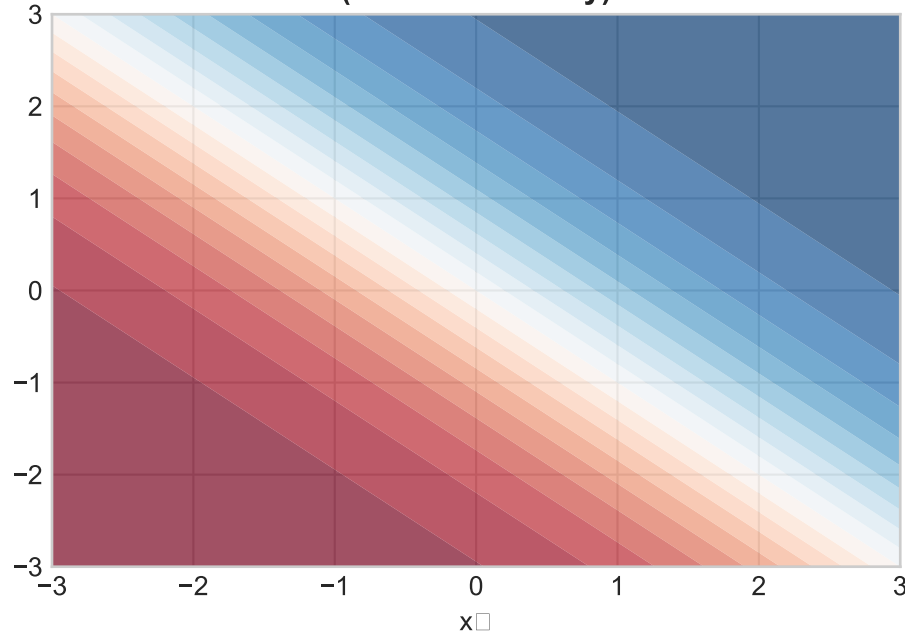
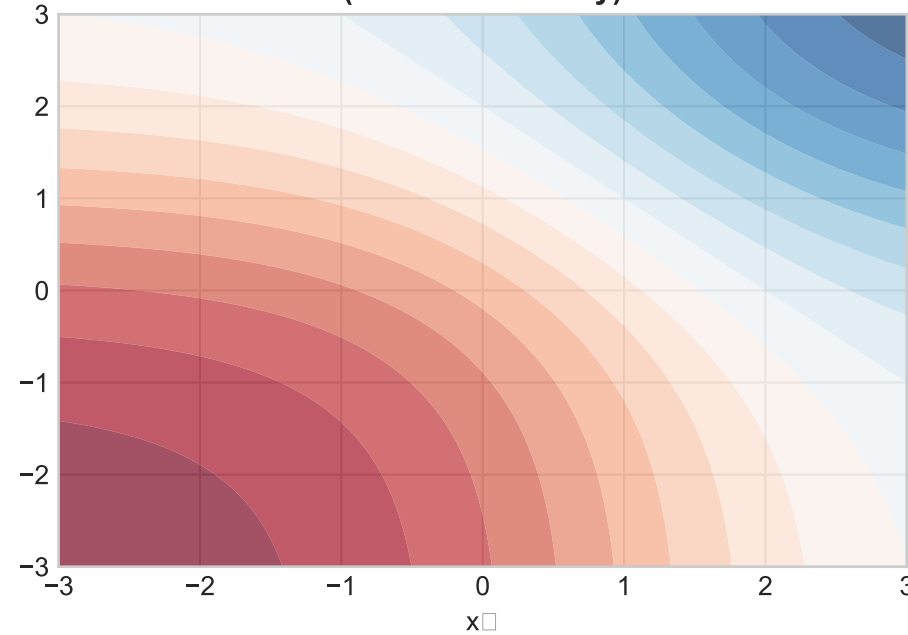


How Network Complexity Grows with Neurons and Layers

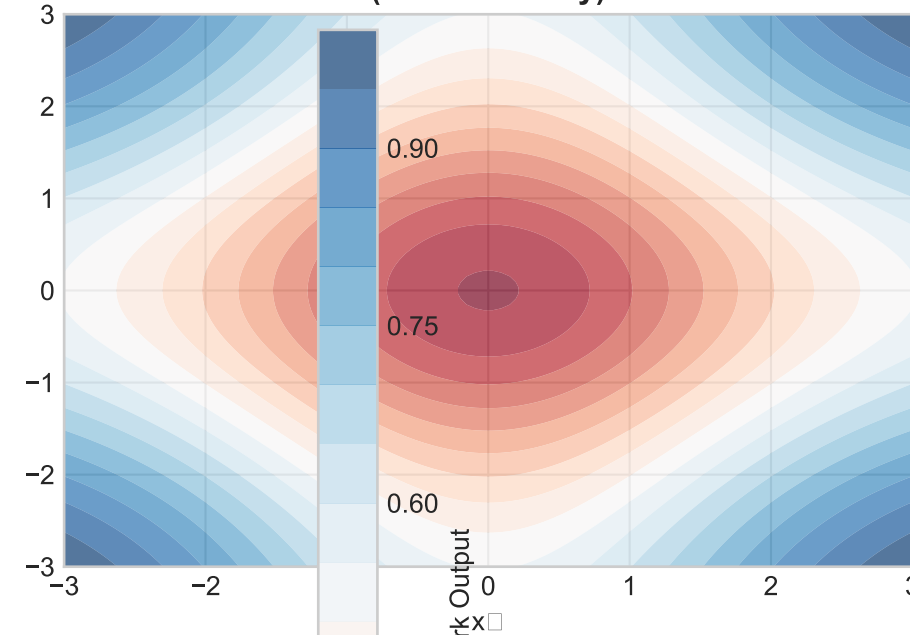
**1 Neuron
(Linear boundary)**



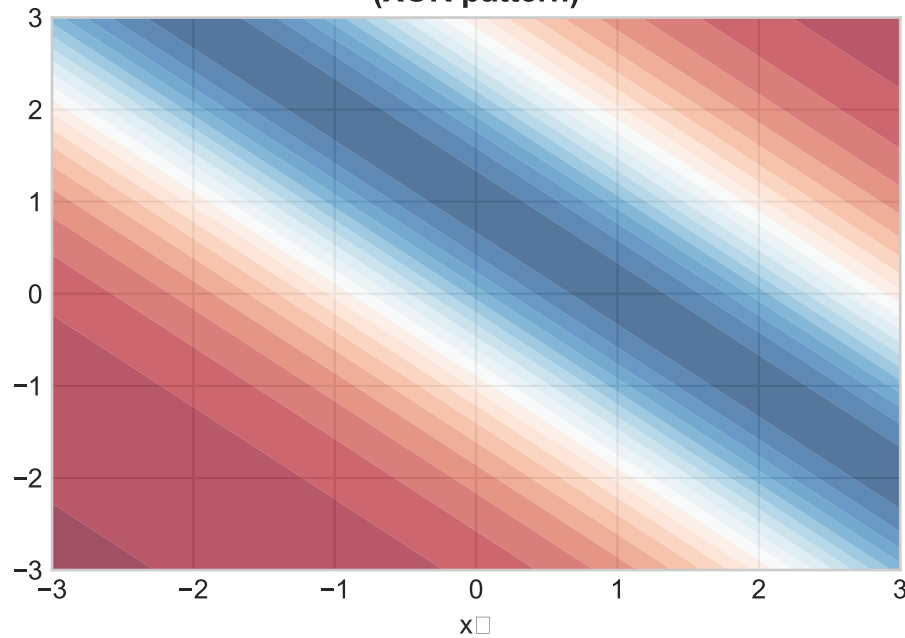
**2 Neurons
(Corner boundary)**



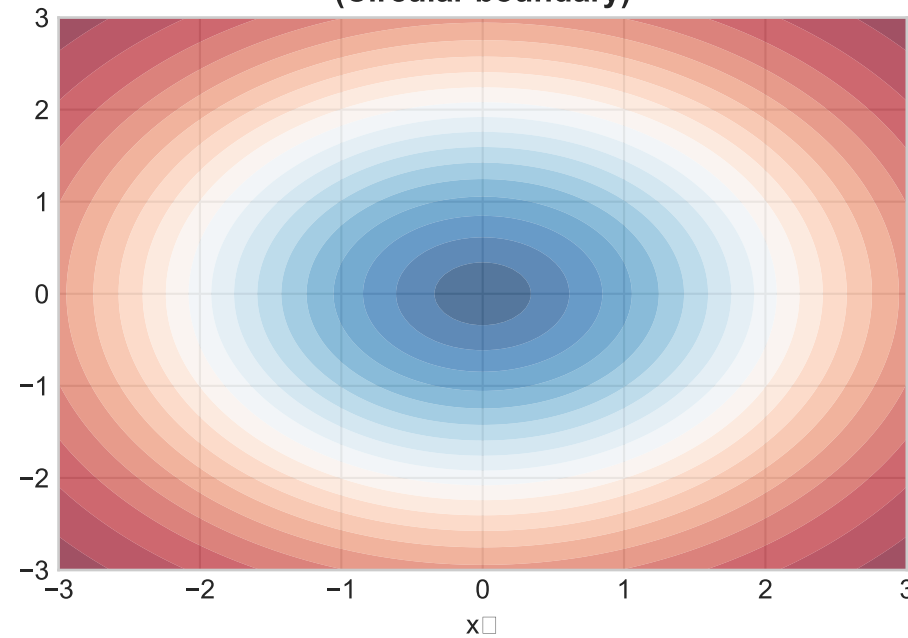
**4 Neurons
(Box boundary)**



**2 Hidden + 1 Output
(XOR pattern)**



**Many Neurons
(Circular boundary)**



**Deep Network
(Complex pattern)**

