Generalization Error 10^{1} 10^{0} 10^{-2} 10^{0} 10^{-4} 10^{-1} 2^{6} 2^{10} 211 2^7 2^{10} 2^{11} Number of training samples (n) Number of training samples (n) $\sigma = 0$ without linear layers

$$\sigma = 0$$

$$\sigma = 0.25$$

$$\sigma = 0.5$$

$$\sigma = 0.5$$

$$\sigma = 1$$
without linear layers
$$\sigma^2, \text{ irreducible error}$$