Active Subspaces Effective Index Principal Angle Rank, $\varepsilon = 10^{-3}$ (Degrees) 20 5 15 3 10 · 2 5 0 0 26 2^{11} 26 2^{7} 28 29 2^{10} 27 28 29 2^{10} 2^{11} Number of training samples (n) $\sigma = 0$ Linear Layers then ReLU $\sigma = 0.25$ Deep ReLU Shallow ReLU then Linear Layers then ReLU