

SignSGD Lévy noise $(10, n^{-1.1})$ -DP-SignSGD no noise $(10, n^{-1.1})$ -DP-SGD no noiseSignSGD normal noise $(10, n^{-1.1})$ -DP-SignSGD normal noise $(10, n^{-1.1})$ -DP-SGD normal noiseSignSGD no noise $(10, n^{-1.1})$ -DP-SignSGD Lévy noise $(10, n^{-1.1})$ -DP-SGD Lévy noise