

## 1 Experiment 1: size of noise input

Size	10	25	50	100	200
Accuracy	$0.663 \pm 0.002$	$0.711 \pm 0.003$	$0.681 \pm 0.004$	$0.675 \pm 0.002$	$0.658 \pm 0.005$

## 2 Experiment 2: Different gradient update rates

Rate	1	0.5	0.1	2
Accuracy	$0.711 \pm 0.003$	$0.724 \pm 0.002$	$0.647 \pm 0.003$	$0.680 \pm 0.005$

## 3 Experiment 3: Late noise gradient update

Update after	2	5	10	25	50
Accuracy	$0.725 \pm 0.004$	$0.726 \pm 0.004$	$0.728 \pm 0.004$	$0.723 \pm 0.005$	$0.715 \pm 0.002$