	CIFAR10			CIFAR100		
Method	0.0	0.05	0.1	0.0	0.05	0.1
SGD	48.95 ± 0.74	49.25 ± 0.65	49.24 ± 0.68	13.17 ± 0.22	13.20 ± 0.44	13.23 ± 0.40
Momentum	72.31 ± 0.47	72.22 ± 0.65	71.89 ± 0.61	34.77 ± 0.65	34.63 ± 0.66	34.38 ± 0.63
Adam	74.12 ± 0.60	73.95 ± 0.39	73.20 ± 0.50	40.85 ± 0.55	40.25 ± 0.60	39.14 ± 0.55
SR-Adam	**75.59 ± 0.50**	**75.84 ± 0.28**	**75.37 ± 0.62**	**42.74 ± 1.09**	**41.50 ± 1.20**	**40.43 ± 0.30**

Table 1: Best test accuracy (mean ± std) over epochs; higher is better.

	CIFAR10			CIFAR100		
Method	0.0	0.05	0.1	0.0	0.05	0.1
SGD	48.79 ± 0.84	49.09 ± 0.74	49.11 ± 0.69	13.17 ± 0.22	13.20 ± 0.44	13.23 ± 0.40
Momentum	71.92 ± 0.91	72.19 ± 0.71	71.89 ± 0.61	34.76 ± 0.64	34.63 ± 0.66	34.38 ± 0.63
Adam	73.77 ± 0.69	73.54 ± 0.78	72.59 ± 0.92	40.82 ± 0.56	40.19 ± 0.60	39.02 ± 0.54
SR-Adam	**75.48 ± 0.43**	**75.75 ± 0.33**	**75.21 ± 0.63**	**42.74 ± 1.09**	**41.50 ± 1.20**	**40.08 ± 0.50**

Table 2: Final test accuracy (mean ± std) at last epoch; higher is better.

	CIFAR10			CIFAR100		
Method	0.0	0.05	0.1	0.0	0.05	0.1
SGD	1.42 ± 0.01	1.41 ± 0.01	1.41 ± 0.01	3.78 ± 0.01	3.78 ± 0.01	3.78 ± 0.01
Momentum	0.81 ± 0.02	0.81 ± 0.01	0.82 ± 0.01	2.58 ± 0.03	2.58 ± 0.02	2.59 ± 0.03
Adam	0.75 ± 0.01	0.76 ± 0.01	0.77 ± 0.01	2.28 ± 0.03	2.30 ± 0.02	2.36 ± 0.02
SR-Adam	**0.70 ± 0.01**	**0.70 ± 0.01**	**0.71 ± 0.01**	**2.18 ± 0.04**	**2.23 ± 0.05**	**2.29 ± 0.02**

Table 3: Best test loss (mean ± std) over epochs; lower is better.

	CIFAR10			CIFAR100		
Method	0.0	0.05	0.1	0.0	0.05	0.1
SGD	1.42 ± 0.01	1.42 ± 0.02	1.42 ± 0.02	3.78 ± 0.01	3.78 ± 0.01	3.78 ± 0.01
Momentum	0.82 ± 0.02	0.81 ± 0.02	0.82 ± 0.01	2.58 ± 0.03	2.58 ± 0.02	2.59 ± 0.03
Adam	0.75 ± 0.01	0.76 ± 0.02	0.78 ± 0.02	2.28 ± 0.03	2.31 ± 0.02	2.37 ± 0.01
SR-Adam	**0.71 ± 0.01**	**0.71 ± 0.01**	**0.72 ± 0.02**	**2.18 ± 0.04**	**2.23 ± 0.05**	**2.32 ± 0.02**

Table 4: Final test loss (mean ± std) at last epoch; lower is better.