Table 3: **Comparison with invariance regularization-based defense methods on CIFAR datasets.** We report clean and robust accuracy (AutoAttack; AA). [1] [2]

	Defense	CIFAR10			CIFAR100		
		Clean	AA	Sum.	Clean	AA	Sum.
ResNet-18	AT	83.77	42.42	126.19	55.82	19.50	75.32
	TRADES	81.25	48.54	129.79	54.74	23.60	78.34
	MART	82.15	47.83	129.98	54.54	**26.04**	80.58
	LBGAT	85.00 ± 0.47	48.85 ± 0.46	133.86 ± 0.65	65.87 ± 0.74	23.19 ± 0.74	89.07 ± 0.73
	ARREST*	86.63	46.14	132.77	-	-	-
	AR-AT (ours)	**87.82** ± **0.19**	49.02 ± 0.47	**136.84** ± **0.33**	**67.51** ± **0.13**	23.38 ± 0.19	90.89 ± 0.29
	AR-AT+SWA (ours)	86.44 ± 0.05	**50.28** ± 0.14	136.72 ± 0.19	67.17 ± 0.18	24.36 ± 0.20	**91.53**± 0.25
WRN-34-10	AT	86.06	46.26	132.32	59.83	23.94	83.77
	TRADES	84.33	51.75	136.08	57.61	26.88	84.49
	MART	86.10	49.11	135.21	57.75	24.89	82.64
	LBGAT	88.19 ± 0.11	52.56 ± 0.34	140.75 ± 0.34	68.17 ± 0.56	26.92 ± 0.32	95.09 ± 0.64
	ARREST*	90.24	50.20	140.44	**73.05**	24.32	97.37
	AR-AT (ours)	**90.89** ± **0.22**	50.77 ± 0.50	141.66 ± 0.51	72.51 ± 0.51	24.18 ± 0.46	96.70 ± 0.56
	AR-AT+SWA (ours)	90.06 ± 0.08	**54.03** ± 0.31	**144.09** ± 0.39	72.37 ± 0.13	**27.31** ± 0.13	**99.69** ± 0.26