Table 1: Accuracy of our method (TNAS-DCS) in terms of time and accuracy compared to state-of-the-art NAS methods. Approximate versions denoted as: (e) less <u>e</u>pochs, (n) smaller <u>n</u>etwork

Data	$ \mathbf{Method} $	GPU	days	Accuracy
	SETN		0.40	
CIFAR-10	GDAS		0.34	$93.61_{\pm 0.09}$
	PC-DARTS			$93.66{\scriptstyle\pm0.17}$
	DrNAS			$94.36 \scriptstyle{\pm 0.00}$
	MetaD2A		4.17	
	TNAS-DCS		4.27	$94.37_{\pm 0.00}$
	TNAS-DCS	(e)	0.36	$94.37_{\pm 0.00}$
CIFAR-100	SETN		0.73	
	GDAS		0.64	$70.70_{\pm 0.30}$
	PC-DARTS		0.28	$66.64{\scriptstyle\pm2.34}$
	DrNAS		0.45	$73.51_{\pm 0.00}$
	MetaD2A		4.17	$73.51_{\pm0.15}$
	TNAS-DCS		4.27	$73.51_{\pm 0.00}$
	TNAS-DCS	(e)	0.36	$73.51_{\pm 0.00}$
MNIST	SETN		0.87	$99.69_{\pm 0.04}$
	GDAS		0.76	$99.64{\scriptstyle\pm0.04}$
	PC-DARTS		0.35	$99.66{\scriptstyle\pm0.04}$
	DrNAS		0.57	$99.59{\scriptstyle\pm0.02}$
	MetaD2A		2.50	$99.71{\scriptstyle\pm0.02}$
	MetaD2A (e)		0.78	$99.71{\scriptstyle\pm0.02}$
	MetaD2A (n)		0.78	$99.71{\scriptstyle\pm0.02}$
	TNAS-DCS		2.52	
	TNAS-DCS	(e)	0.84	
	TNAS-DCS	` '	0.84	$99.80_{\pm 0.00}$
Aircraft	SETN	()	0.46	44.84 ±3.96
	GDAS		0.46	$53.52_{\pm 0.48}$
	PC-DARTS		0.29	$26.33_{\pm 3.40}$
	DrNAS		0.65	$46.08 \pm 7.00$
	MetaD2A		4.19	$58.43_{\pm 0.72}$
	MetaD2A (e)		0.30	$58.43_{\pm 0.72}$
	MetaD2A (n)		0.30	$58.43_{\pm 0.72}$
	TNAS-DCS		4.26	$59.69_{\pm 0.59}$
	TNAS-DCS	(e)	0.36	$58.43_{\pm0.28}$
	TNAS-DCS		0.36	$59.51_{\pm0.43}$
	SETN	(11)	0.35	25.17 <sub>±1.68</sub>
Pets	GDAS		0.33	$24.02_{\pm 2.75}$
	PC-DARTS		0.28	25.31 <sub>±1.38</sub>
	DrNAS		0.20	$26.73_{\pm 2.61}$
	MetaD2A		4.19	$39.76_{\pm 0.72}$
	MetaD2A (e)		0.30	$39.76_{\pm 0.72}$
	MetaD2A (n)		0.30	$39.76_{\pm 3.54}$
	TNAS-DCS		4.26	$43.22_{\pm 0.61}$
	TNAS-DCS	(e)	0.36	$43.24_{\pm 1.27}$
	TNAS-DCS		0.36	$43.24_{\pm 0.00}$
SVHN	SETN	(11)	1.61	$96.02_{\pm 0.04}$
	GDAS		1.46	$95.57_{\pm 0.04}$
	PC-DARTS		0.99	$95.40_{\pm 0.04}$
	DrNAS		1.24	$96.30_{\pm 0.02}$
	MetaD2A		15.05	$96.30 \pm 0.02$ $96.34 \pm 0.05$
	MetaD2A (e)		1.20	$96.34_{\pm 0.05}$ $96.34_{\pm 0.05}$
	, ,		1.20 $1.20$	$96.34_{\pm 0.05}$ $96.34_{\pm 0.05}$
	MetaD2A (n)			$96.54_{\pm 0.05}$ $96.58_{\pm 0.01}$
	TNAS-DCS	(0)	15.18	
	TNAS-DCS	. ,	1.26 1.26	$96.57_{\pm 0.00}$ $96.57_{\pm 0.00}$
	TNAS-DCS	(m)		