

Resnet50						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	47.09	46.05	47.40	49.79	46.86
	1.00E-02	72.47	72.70	70.65	71.04	70.98
	1.00E-03	70.46	69.60	70.39	70.08	70.63
	1.00E-04	61.29	61.45	60.87	62.00	61.00
SGD / Cosine	1.00E-01	47.83	46.28	45.07	48.65	46.93
	1.00E-02	73.96	72.51	72.49	73.34	72.46
	1.00E-03	69.16	70.44	70.06	70.40	70.23
	1.00E-04	58.71	59.03	58.35	58.02	59.24
Adam / Cosine	1.00E-02	54.99	49.76	50.07	51.22	46.47
	1.00E-03	71.22	70.86	72.19	72.70	71.94
	1.00E-04	70.30	70.38	71.27	70.98	72.38
	1.00E-05	68.05	68.91	69.55	69.94	69.42
AlexNet						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	29.81	29.81	29.81	29.81	29.81
	1.00E-02	60.58	61.68	62.19	61.87	62.15
	1.00E-03	59.43	61.74	59.55	61.57	62.48
	1.00E-04	57.82	58.25	56.76	59.34	58.99
SGD / Cosine	1.00E-01	29.81	29.81	29.81	29.81	29.81
	1.00E-02	57.38	58.58	59.01	60.03	58.75
	1.00E-03	61.31	59.26	60.80	61.17	62.95
	1.00E-04	57.82	58.74	56.31	57.22	56.94
Adam / Cosine	1.00E-02	29.81	29.81	29.81	29.81	29.81
	1.00E-03	59.67	54.76	56.88	53.37	53.53
	1.00E-04	56.05	62.29	63.59	61.51	62.91
	1.00E-05	45.61	58.48	56.62	60.03	60.24

VGG13BN						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	72.17	73.60	73.32	73.34	73.59
	1.00E-02	73.76	73.12	73.66	74.08	74.72
	1.00E-03	71.71	71.34	70.86	70.52	71.42
	1.00E-04	61.22	60.79	60.22	61.14	60.23
SGD / Cosine	1.00E-01	72.24	71.57	71.56	71.92	63.72
	1.00E-02	74.53	74.00	74.14	73.62	73.49
	1.00E-03	71.30	70.42	70.56	71.23	70.38
	1.00E-04	58.63	59.33	59.31	59.11	55.88
Adam / Cosine	1.00E-02	29.81	45.34	40.33	29.81	43.66
	1.00E-03	72.88	72.72	71.42	72.63	71.24
	1.00E-04	72.79	74.69	74.02	75.06	74.17
	1.00E-05	70.22	70.93	69.78	70.38	71.08
PNASNet5						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	71.04	70.10	71.55	70.32	71.05
	1.00E-02	71.78	70.75	72.03	71.99	71.22
	1.00E-03	69.60	69.08	69.31	69.37	68.31
	1.00E-04	59.06	59.84	59.30	60.00	58.60
SGD / Cosine	1.00E-01	69.42	70.98	71.51	72.78	72.11
	1.00E-02	72.06	72.66	73.41	72.07	71.86
	1.00E-03	68.39	68.50	67.78	68.27	68.62
	1.00E-04	57.94	57.55	57.84	58.50	59.22
Adam / Cosine	1.00E-02	53.02	49.10	59.80	52.69	53.60
	1.00E-03	71.24	73.05	75.21	71.98	72.73
	1.00E-04	64.63	70.90	73.03	70.06	72.24
	1.00E-05	42.99	69.51	69.42	72.53	69.45

Resnet152						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	47.32	46.55	50.13	48.33	49.79
	1.00E-02	71.81	71.96	72.28	73.43	73.10
	1.00E-03	73.26	72.53	72.74	72.72	72.30
	1.00E-04	65.12	66.26	64.90	65.99	65.29
SGD / Cosine	1.00E-01	49.08	48.06	44.44	48.49	47.17
	1.00E-02	73.99	74.05	73.36	72.86	72.26
	1.00E-03	72.70	73.29	73.26	72.21	72.95
	1.00E-04	62.56	63.30	63.80	62.50	63.46
Adam / Cosine	1.00E-02	52.30	47.72	45.55	48.72	50.94
	1.00E-03	70.92	69.43	69.93	71.35	70.46
	1.00E-04	70.56	71.70	72.93	72.03	72.52
	1.00E-05	60.79	72.14	72.18	70.87	73.09
MobileNetV3 Small						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	60.42	64.44	63.82	63.47	63.59
	1.00E-02	64.63	63.56	65.32	63.85	63.99
	1.00E-03	62.08	62.76	62.80	60.07	60.32
	1.00E-04	50.31	50.79	50.97	50.19	49.67
SGD / Cosine	1.00E-01	64.40	64.80	64.13	64.73	64.04
	1.00E-02	64.01	64.08	63.56	64.83	63.92
	1.00E-03	59.79	61.26	58.74	58.90	60.58
	1.00E-04	48.36	48.93	49.34	50.08	48.60
Adam / Cosine	1.00E-02	64.65	66.01	63.38	61.35	61.33
	1.00E-03	64.75	64.05	64.74	63.39	63.21
	1.00E-04	53.13	62.94	62.48	62.64	63.71
	1.00E-05	41.06	54.60	52.30	53.34	55.23

DeiT Tiny						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	40.55	31.62	38.22	31.77	35.27
	1.00E-02	63.58	63.67	63.56	63.19	63.42
	1.00E-03	66.56	65.70	64.76	66.93	65.57
	1.00E-04	63.48	62.00	63.00	63.70	62.08
SGD / Cosine	1.00E-01	46.22	32.01	31.99	30.75	31.43
	1.00E-02	63.73	64.85	64.39	64.17	63.34
	1.00E-03	65.65	68.77	65.63	66.87	67.28
	1.00E-04	60.45	60.11	60.50	61.40	59.57
Adam / Cosine	1.00E-02	44.34	39.93	39.20	38.99	38.81
	1.00E-03	48.35	51.44	54.51	50.00	50.37
	1.00E-04	45.53	65.05	66.28	65.55	66.61
	1.00E-05	38.64	62.06	64.86	64.11	63.39
DeiT Small						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	29.81	29.81	42.29	29.81	29.81
	1.00E-02	67.68	68.43	69.06	67.24	67.46
	1.00E-03	70.37	71.41	68.96	70.75	70.46
	1.00E-04	63.31	62.39	63.72	62.37	61.49
SGD / Cosine	1.00E-01	29.98	29.35	34.52	29.50	31.49
	1.00E-02	68.21	67.33	68.47	68.24	68.72
	1.00E-03	68.64	68.56	68.97	67.95	69.31
	1.00E-04	63.89	63.71	62.12	63.50	63.37
Adam / Cosine	1.00E-02	46.43	37.59	38.56	37.63	35.98
	1.00E-03	45.88	47.93	47.95	48.52	46.76
	1.00E-04	47.42	69.46	68.75	70.61	70.29

	1.00E-05	37.85	65.40	67.31	66.22	69.08
Inception-ResNet v2						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	70.59	69.16	69.02	70.43	69.88
	1.00E-02	70.50	70.42	70.00	70.30	69.27
	1.00E-03	66.82	68.75	66.62	67.59	66.81
	1.00E-04	50.02	49.66	50.96	51.13	51.41
SGD / Cosine	1.00E-01	69.31	70.31	70.68	68.68	70.23
	1.00E-02	69.46	69.19	70.50	69.05	68.20
	1.00E-03	67.35	66.86	66.83	67.76	67.05
	1.00E-04	49.22	51.02	50.52	50.88	50.07
Adam / Cosine	1.00E-02	67.16	59.45	63.23	59.61	64.12
	1.00E-03	70.17	69.94	69.31	70.33	69.69
	1.00E-04	66.37	67.48	69.11	69.71	69.85
	1.00E-05	60.81	66.62	67.18	63.97	65.45
VGG-16 BN						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	64.75	71.85	66.50	53.34	47.49
	1.00E-02	75.14	75.93	75.35	75.47	75.01
	1.00E-03	72.22	73.02	72.06	71.59	72.66
	1.00E-04	60.57	61.47	61.36	60.87	61.05
SGD / Cosine	1.00E-01	47.18	67.41	71.40	70.67	58.93
	1.00E-02	74.72	74.30	74.67	74.10	75.04
	1.00E-03	72.19	72.18	72.63	72.22	72.28
	1.00E-04	61.65	61.62	60.49	61.08	60.43
Adam / Cosine	1.00E-02	45.92	45.80	44.37	39.69	48.06
	1.00E-03	71.99	73.59	69.36	69.03	68.68

	1.00E-04	75.17	75.73	75.15	75.33	73.55
	1.00E-05	70.62	71.73	71.19	71.99	71.71
EfficientNet B0						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	67.83	68.36	65.43	70.16	67.83
	1.00E-02	68.57	69.20	68.47	70.26	68.02
	1.00E-03	63.52	62.43	64.32	63.18	64.23
	1.00E-04	52.12	48.64	49.17	49.90	53.18
SGD / Cosine	1.00E-01	67.93	66.17	67.69	65.08	65.66
	1.00E-02	67.62	67.77	71.02	66.83	68.53
	1.00E-03	65.69	63.72	64.98	63.05	64.20
	1.00E-04	53.72	49.83	51.16	48.79	53.60
Adam / Cosine	1.00E-02	62.30	62.16	65.82	66.22	67.06
	1.00E-03	70.88	67.85	70.06	70.97	69.76
	1.00E-04	68.27	67.07	66.83	65.92	67.79
	1.00E-05	60.00	61.08	59.95	57.42	57.62
EfficientNet B4						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	70.41	71.15	72.48	71.43	69.17
	1.00E-02	66.26	67.49	66.40	67.69	67.95
	1.00E-03	52.49	51.58	50.48	51.30	50.67
	1.00E-04	33.51	33.72	30.82	34.33	32.97
SGD / Cosine	1.00E-01	69.30	70.86	71.28	70.26	70.63
	1.00E-02	68.04	67.42	65.27	66.61	65.93
	1.00E-03	52.36	49.62	49.62	49.50	47.45
	1.00E-04	34.17	31.71	32.85	34.22	32.67
Adam / Cosine	1.00E-02	72.06	71.19	71.80	69.32	73.32

	1.00E-03	72.91	69.55	69.77	73.49	71.08
	1.00E-04	69.54	68.10	67.19	68.31	68.26
	1.00E-05	64.06	57.56	57.50	56.29	57.10
DenseNet-121						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	49.05	43.58	44.27	47.79	45.80
	1.00E-02	72.19	73.72	72.03	73.96	72.09
	1.00E-03	73.14	74.45	73.04	73.00	72.19
	1.00E-04	57.15	58.13	58.02	56.70	58.77
SGD / Cosine	1.00E-01	45.59	48.90	46.30	44.57	44.23
	1.00E-02	73.43	72.65	74.66	71.49	73.04
	1.00E-03	72.55	73.03	72.97	72.71	71.82
	1.00E-04	56.76	58.46	58.16	59.36	57.00
Adam / Cosine	1.00E-02	51.02	46.93	48.18	44.14	46.89
	1.00E-03	71.87	71.33	71.50	70.73	72.46
	1.00E-04	74.24	74.12	73.62	71.94	69.95
	1.00E-05	63.83	70.46	72.05	69.60	71.20
ResNeXt-50-32x4d						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	43.21	48.61	46.82	44.02	46.20
	1.00E-02	72.01	71.63	72.99	71.70	72.72
	1.00E-03	72.22	72.21	73.73	72.99	72.12
	1.00E-04	61.85	59.93	61.87	61.20	61.39
SGD / Cosine	1.00E-01	49.97	44.78	43.40	44.99	46.84
	1.00E-02	73.16	73.22	72.13	72.68	71.77
	1.00E-03	71.77	71.84	73.24	70.96	71.01
	1.00E-04	61.63	59.80	60.92	59.77	59.80

Adam / Cosine	1.00E-02	50.94	51.40	47.81	48.28	47.23
	1.00E-03	71.79	71.17	70.82	72.24	71.84
	1.00E-04	68.45	73.19	73.39	72.70	71.42
	1.00E-05	70.17	71.53	69.37	71.56	72.11
ShuffleNet v2 x1.0						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	69.10	69.04	68.43	66.23	67.43
	1.00E-02	69.27	66.79	66.29	67.05	68.14
	1.00E-03	32.27	30.98	32.47	33.47	35.27
	1.00E-04	33.95	31.35	29.00	35.07	33.20
SGD / Cosine	1.00E-01	67.33	64.30	68.72	64.92	68.46
	1.00E-02	68.60	65.83	67.23	65.96	66.39
	1.00E-03	31.28	31.98	32.05	33.47	32.41
	1.00E-04	32.37	28.84	34.61	28.38	33.60
Adam / Cosine	1.00E-02	63.39	65.99	62.09	63.71	63.71
	1.00E-03	66.67	66.53	69.18	66.36	68.82
	1.00E-04	67.46	61.70	66.09	64.57	64.98
	1.00E-05	34.18	42.06	42.47	43.12	42.50
ConvNext tiny						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	52.97	44.90	48.03	42.58	46.09
	1.00E-02	76.25	74.10	76.17	75.22	75.87
	1.00E-03	74.20	73.26	72.59	72.41	72.22
	1.00E-04	55.19	51.83	52.90	54.26	52.23
SGD / Cosine	1.00E-01	45.28	48.37	44.84	47.14	49.61
	1.00E-02	74.56	75.93	77.09	75.88	76.22
	1.00E-03	73.93	72.99	73.91	74.98	73.95

		1.00E-04	53.18	53.28	51.98	52.40	53.32
Adam / Cosine		1.00E-02	47.03	11.88	11.88	11.88	11.88
		1.00E-03	70.77	75.58	76.11	73.72	74.22
		1.00E-04	68.20	77.79	77.46	77.53	78.51
		1.00E-05	46.70	74.76	72.45	73.22	72.58
ShuffleNet_V2_X0_5							
	lr \ wd		1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step		1.00E-01	66.22	66.37	64.05	65.32	64.69
		1.00E-02	61.79	58.49	61.75	58.53	60.35
		1.00E-03	35.75	37.06	38.28	37.97	34.96
		1.00E-04	36.96	29.92	28.16	30.31	31.85
SGD / Cosine		1.00E-01	65.40	65.36	63.74	66.37	66.09
		1.00E-02	60.47	60.99	58.86	58.10	56.72
		1.00E-03	35.34	38.16	37.53	37.17	37.25
		1.00E-04	29.90	29.85	31.34	28.68	29.75
Adam / Cosine		1.00E-02	61.17	64.34	61.77	64.00	63.56
		1.00E-03	64.48	63.69	63.69	62.66	61.75
		1.00E-04	57.52	57.46	59.22	57.61	57.13
		1.00E-05	33.87	47.62	47.23	46.60	41.02
SqueezeNet1_1							
	lr \ wd		1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step		1.00E-01	29.81	29.81	29.81	29.81	29.81
		1.00E-02	59.48	50.30	61.40	51.23	50.70
		1.00E-03	64.69	66.09	62.42	65.49	64.38
		1.00E-04	57.28	56.71	53.72	56.63	54.61
SGD / Cosine		1.00E-01	29.81	29.81	29.81	29.81	29.81
		1.00E-02	47.59	64.60	62.96	46.86	65.01

	1.00E-03	64.66	65.86	63.47	63.20	66.36
	1.00E-04	55.78	58.41	53.01	56.42	55.06
Adam / Cosine	1.00E-02	44.56	11.88	11.88	43.69	41.52
	1.00E-03	51.65	60.04	64.14	64.71	60.46
	1.00E-04	50.08	63.41	64.35	64.58	65.63
	1.00E-05	41.68	52.34	57.18	56.77	53.68