

ResNet 50						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.6915	0.6641	0.6376	0.7748	0.6730
	1.00E-02	0.9019	0.9050	0.9204	0.9128	0.9165
	1.00E-03	0.8958	0.8993	0.8909	0.8891	0.8983
	1.00E-04	0.7422	0.7663	0.7670	0.7747	0.7721
SGD / Cosine	1.00E-01	0.6588	0.6160	0.6400	0.7059	0.6924
	1.00E-02	0.9191	0.9067	0.9137	0.9181	0.9121
	1.00E-03	0.8900	0.8916	0.8888	0.8924	0.8863
	1.00E-04	0.7585	0.7485	0.7326	0.7453	0.7388
Adam / Cosine	1.00E-02	0.6821	0.6998	0.7048	0.6930	0.7034
	1.00E-03	0.9106	0.9025	0.9215	0.9135	0.9129
	1.00E-04	0.9074	0.9140	0.9195	0.9205	0.9203
	1.00E-05	0.9021	0.9026	0.8978	0.8982	0.9013
AlexNet						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.0000	0.0000	0.0000	0.0000	0.0000
	1.00E-02	0.0000	0.0000	0.0000	0.0000	0.0000
	1.00E-03	0.8090	0.8502	0.8404	0.8333	0.8384
	1.00E-04	0.8060	0.7845	0.7868	0.7897	0.7830
SGD / Cosine	1.00E-01	0.0000	0.0000	0.0000	0.0000	0.0000
	1.00E-02	0.0000	0.0000	0.0000	0.6036	0.0000
	1.00E-03	0.8375	0.8401	0.8494	0.8080	0.8300
	1.00E-04	0.7751	0.7958	0.7826	0.7928	0.7901
Adam / Cosine	1.00E-02	0.0000	0.0128	0.0000	0.0000	0.0069
	1.00E-03	0.7342	0.7410	0.0000	0.7842	0.7536
	1.00E-04	0.8918	0.8925	0.8810	0.8945	0.8835
	1.00E-05	0.8116	0.8349	0.8460	0.8541	0.8430

VGG13BN						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.8241	0.6866	0.8518	0.8336	0.7386
	1.00E-02	0.9147	0.9169	0.9131	0.9182	0.9115
	1.00E-03	0.8848	0.8922	0.8850	0.8944	0.8887
	1.00E-04	0.7763	0.7793	0.7779	0.7802	0.7799
SGD / Cosine	1.00E-01	0.6984	0.8022	0.6942	0.8681	0.8727
	1.00E-02	0.9119	0.9137	0.9127	0.9172	0.9265
	1.00E-03	0.8834	0.8817	0.8827	0.8791	0.8857
	1.00E-04	0.7701	0.7762	0.7680	0.7641	0.7680
Adam / Cosine	1.00E-02	0.5905	0.6594	0.6187	0.5898	0.4598
	1.00E-03	0.8998	0.9096	0.9235	0.9096	0.9220
	1.00E-04	0.9172	0.9225	0.9202	0.9145	0.9268
	1.00E-05	0.9005	0.8967	0.9064	0.9056	0.9116
PNASNet5						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.9244	0.9193	0.9127	0.9233	0.9271
	1.00E-02	0.9043	0.9073	0.9068	0.9028	0.8930
	1.00E-03	0.8757	0.8749	0.8686	0.8689	0.8695
	1.00E-04	0.7007	0.7255	0.7219	0.7191	0.6924
SGD / Cosine	1.00E-01	0.9153	0.9121	0.9139	0.9121	0.9082
	1.00E-02	0.9026	0.9059	0.9088	0.8939	0.8972
	1.00E-03	0.8547	0.8514	0.8479	0.8659	0.8597
	1.00E-04	0.6906	0.6525	0.6776	0.6604	0.6931
Adam / Cosine	1.00E-02	0.6615	0.5603	0.6999	0.7993	0.6967
	1.00E-03	0.9227	0.9236	0.9126	0.9203	0.9203
	1.00E-04	0.9122	0.9127	0.9064	0.9101	0.9145
	1.00E-05	0.8946	0.8938	0.8893	0.8928	0.8955

Resnet152						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.6648	0.6581	0.6999	0.7025	0.7002
	1.00E-02	0.9159	0.9086	0.9188	0.9228	0.9194
	1.00E-03	0.9129	0.9093	0.9051	0.9004	0.9042
	1.00E-04	0.7626	0.7768	0.7695	0.7668	0.7546
SGD / Cosine	1.00E-01	0.6905	0.7570	0.5382	0.6424	0.6889
	1.00E-02	0.9124	0.9168	0.9158	0.9163	0.9168
	1.00E-03	0.8810	0.8955	0.8918	0.8984	0.8932
	1.00E-04	0.7206	0.7364	0.7406	0.7513	0.7468
Adam / Cosine	1.00E-02	0.7154	0.6978	0.6857	0.7100	0.7055
	1.00E-03	0.9173	0.9094	0.9150	0.9130	0.9084
	1.00E-04	0.9207	0.9216	0.9157	0.9175	0.9159
	1.00E-05	0.9086	0.8998	0.9001	0.9038	0.9114
MobileNetV3 Small						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.7116	0.9129	0.9079	0.9205	0.9230
	1.00E-02	0.9175	0.9160	0.9122	0.9162	0.9136
	1.00E-03	0.8596	0.8701	0.8623	0.8661	0.8742
	1.00E-04	0.7115	0.6758	0.6748	0.6981	0.6990
SGD / Cosine	1.00E-01	0.8880	0.9089	0.9050	0.9221	0.9065
	1.00E-02	0.9155	0.9165	0.9218	0.9076	0.9096
	1.00E-03	0.8405	0.8389	0.8370	0.8329	0.8353
	1.00E-04	0.6596	0.6840	0.6525	0.6646	0.6365
Adam / Cosine	1.00E-02	0.7789	0.9075	0.9012	0.8904	0.8928
	1.00E-03	0.8727	0.9133	0.9183	0.9075	0.9097
	1.00E-04	0.8511	0.8993	0.9027	0.9002	0.8930
	1.00E-05	0.6245	0.7601	0.7694	0.7600	0.7441

DeiT Tiny						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.4012	0.0000	0.0000	0.1017	0.3684
	1.00E-02	0.8818	0.7272	0.6982	0.7567	0.8190
	1.00E-03	0.8915	0.9037	0.8952	0.8920	0.8943
	1.00E-04	0.8049	0.7947	0.7878	0.8020	0.8112
SGD / Cosine	1.00E-01	0.3226	0.3598	0.0674	0.0053	0.3759
	1.00E-02	0.7855	0.8746	0.8801	0.8059	0.6853
	1.00E-03	0.8957	0.8939	0.8849	0.8948	0.9032
	1.00E-04	0.7837	0.7976	0.8112	0.7993	0.8090
Adam / Cosine	1.00E-02	0.6907	0.6163	0.5194	0.6148	0.4509
	1.00E-03	0.7203	0.6962	0.7201	0.6961	0.7048
	1.00E-04	0.9038	0.9038	0.8996	0.9130	0.9109
	1.00E-05	0.7882	0.8429	0.8439	0.8271	0.8635
DeiT Small						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.0000	0.0000	0.0835	0.3879	0.0000
	1.00E-02	0.8714	0.8797	0.8926	0.8790	0.8949
	1.00E-03	0.9032	0.9017	0.8998	0.8938	0.8995
	1.00E-04	0.7765	0.7724	0.7753	0.7812	0.7781
SGD / Cosine	1.00E-01	0.0000	0.0000	0.0000	0.0000	0.0000
	1.00E-02	0.7242	0.8027	0.9057	0.7573	0.7013
	1.00E-03	0.8950	0.8888	0.8974	0.8969	0.9040
	1.00E-04	0.7883	0.7648	0.7671	0.7745	0.7796
Adam / Cosine	1.00E-02	0.6299	0.4583	0.3939	0.3875	0.3517
	1.00E-03	0.7182	0.7176	0.7183	0.6900	0.7019
	1.00E-04	0.9058	0.9205	0.9197	0.9162	0.9179

	1.00E-05	0.7975	0.8890	0.8754	0.8569	0.8815
Inception-ResNet v2						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.8027	0.9034	0.7651	0.9074	0.9075
	1.00E-02	0.8913	0.8828	0.8822	0.8870	0.9014
	1.00E-03	0.7970	0.7954	0.7940	0.7915	0.7995
	1.00E-04	0.3819	0.4402	0.4549	0.4420	0.5300
SGD / Cosine	1.00E-01	0.7726	0.8996	0.8755	0.9004	0.9147
	1.00E-02	0.8942	0.9000	0.9033	0.8825	0.9100
	1.00E-03	0.7947	0.7922	0.7961	0.8051	0.7940
	1.00E-04	0.4446	0.5366	0.4380	0.4813	0.4751
Adam / Cosine	1.00E-02	0.8011	0.7991	0.7992	0.7695	0.8046
	1.00E-03	0.9104	0.9081	0.9072	0.9168	0.9097
	1.00E-04	0.8928	0.9105	0.9056	0.8972	0.9066
	1.00E-05	0.8658	0.8652	0.8517	0.8731	0.8618
VGG-16 BN						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.6897	0.5958	0.4807	0.4227	0.6589
	1.00E-02	0.9181	0.9214	0.9226	0.9250	0.9198
	1.00E-03	0.9114	0.9145	0.9085	0.9167	0.9172
	1.00E-04	0.8003	0.7963	0.7868	0.7905	0.7902
SGD / Cosine	1.00E-01	0.7040	0.7091	0.0000	0.6883	0.6900
	1.00E-02	0.9207	0.9151	0.9220	0.9204	0.9165
	1.00E-03	0.9119	0.9100	0.9127	0.9099	0.9133
	1.00E-04	0.7882	0.7943	0.7885	0.7842	0.7885
Adam / Cosine	1.00E-02	0.6515	0.5707	0.5358	0.5778	0.5797
	1.00E-03	0.8951	0.9075	0.8991	0.8922	0.8957

	1.00E-04	0.9287	0.9192	0.9191	0.9200	0.9165
	1.00E-05	0.9189	0.9173	0.9179	0.9186	0.9069
EfficientNet B0						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.7230	0.6986	0.6966	0.6615	0.6602
	1.00E-02	0.8989	0.8979	0.9036	0.8994	0.9159
	1.00E-03	0.8805	0.8689	0.8787	0.8669	0.8656
	1.00E-04	0.7652	0.7872	0.7940	0.7740	0.7675
SGD / Cosine	1.00E-01	0.7752	0.7086	0.7350	0.7050	0.8683
	1.00E-02	0.9002	0.8959	0.9062	0.9069	0.9089
	1.00E-03	0.8774	0.8785	0.8773	0.8861	0.8724
	1.00E-04	0.7360	0.7867	0.7490	0.7311	0.7941
Adam / Cosine	1.00E-02	0.9126	0.8891	0.8709	0.9005	0.8746
	1.00E-03	0.9068	0.9195	0.9176	0.9177	0.9073
	1.00E-04	0.9118	0.8917	0.8931	0.8902	0.8947
	1.00E-05	0.8141	0.7924	0.8077	0.8115	0.7892
EfficientNet B4						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.9119	0.9035	0.9144	0.9041	0.9067
	1.00E-02	0.8543	0.8669	0.8312	0.8258	0.8640
	1.00E-03	0.6751	0.6360	0.7097	0.6645	0.6922
	1.00E-04	0.2970	0.2856	0.3161	0.2242	0.3828
SGD / Cosine	1.00E-01	0.9014	0.8967	0.9046	0.9040	0.9118
	1.00E-02	0.8570	0.8354	0.8504	0.8452	0.8304
	1.00E-03	0.6664	0.7188	0.7119	0.6619	0.6727
	1.00E-04	0.1755	0.2135	0.2444	0.3385	0.3815
Adam / Cosine	1.00E-02	0.9211	0.9198	0.9128	0.9205	0.9017

	1.00E-03	0.9039	0.9068	0.9049	0.9099	0.9102
	1.00E-04	0.8804	0.8907	0.8862	0.8707	0.8720
	1.00E-05	0.7605	0.7311	0.6896	0.6918	0.6980
DenseNet-121						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.6884	0.6260	0.6421	0.6702	0.6830
	1.00E-02	0.9135	0.9179	0.9175	0.9146	0.9200
	1.00E-03	0.9083	0.9150	0.9084	0.9074	0.8983
	1.00E-04	0.7800	0.7595	0.7637	0.7730	0.7610
SGD / Cosine	1.00E-01	0.6685	0.7057	0.6920	0.6630	0.6984
	1.00E-02	0.9162	0.9126	0.9116	0.9185	0.9215
	1.00E-03	0.9116	0.9094	0.9071	0.9117	0.9072
	1.00E-04	0.7753	0.7665	0.7575	0.7610	0.7643
Adam / Cosine	1.00E-02	0.7255	0.7271	0.7528	0.7045	0.7044
	1.00E-03	0.9138	0.9287	0.9186	0.9190	0.9160
	1.00E-04	0.9146	0.9162	0.9154	0.9175	0.9183
	1.00E-05	0.8924	0.8771	0.8895	0.8754	0.8804
ResNeXt-50-32x4d						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.6657	0.6340	0.6457	0.6335	0.6701
	1.00E-02	0.9206	0.9104	0.9163	0.9212	0.9084
	1.00E-03	0.9145	0.9049	0.9039	0.9093	0.9066
	1.00E-04	0.7810	0.7852	0.7859	0.7860	0.7858
SGD / Cosine	1.00E-01	0.7212	0.7058	0.6875	0.6875	0.6591
	1.00E-02	0.9089	0.9180	0.9184	0.9202	0.9210
	1.00E-03	0.9079	0.9123	0.9027	0.9080	0.9076
	1.00E-04	0.7838	0.7837	0.7904	0.7889	0.7725

Adam / Cosine	1.00E-02	0.7451	0.7152	0.7156	0.7003	0.7051
	1.00E-03	0.9199	0.9122	0.9101	0.9127	0.9128
	1.00E-04	0.9189	0.9189	0.9210	0.9167	0.9205
	1.00E-05	0.9064	0.9174	0.9008	0.9110	0.9048
ShuffleNet v2 x1.0						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.9152	0.9082	0.8960	0.9075	0.9135
	1.00E-02	0.8056	0.7976	0.8017	0.8034	0.7995
	1.00E-03	0.0130	0.1003	0.0000	0.1046	0.0043
	1.00E-04	0.1990	0.0131	0.2548	0.0035	0.0000
SGD / Cosine	1.00E-01	0.9044	0.9119	0.9202	0.9114	0.9105
	1.00E-02	0.8055	0.7913	0.7935	0.7996	0.8095
	1.00E-03	0.0710	0.0000	0.0000	0.0000	0.0884
	1.00E-04	0.0000	0.0191	0.0441	0.0076	0.4458
Adam / Cosine	1.00E-02	0.9112	0.9058	0.9154	0.9171	0.9163
	1.00E-03	0.9057	0.9114	0.9062	0.9078	0.9108
	1.00E-04	0.8114	0.8261	0.8535	0.8429	0.8501
	1.00E-05	0.6521	0.6846	0.7319	0.6972	0.7348
ConvNext tiny						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.5668	0.5463	0.0000	0.0000	0.0000
	1.00E-02	0.9160	0.9218	0.9204	0.9159	0.9012
	1.00E-03	0.8266	0.8500	0.8277	0.8621	0.8466
	1.00E-04	0.7551	0.7009	0.7263	0.7028	0.7316
SGD / Cosine	1.00E-01	0.0000	0.5941	0.0000	0.0000	0.0000
	1.00E-02	0.9125	0.9175	0.9095	0.9149	0.9131
	1.00E-03	0.8679	0.8791	0.8763	0.8240	0.8541

	1.00E-04	0.7000	0.7084	0.7360	0.7486	0.7415
Adam / Cosine	1.00E-02	0.0000	0.0000	0.0000	0.0000	0.0000
	1.00E-03	0.9139	0.9140	0.9294	0.9239	0.9297
	1.00E-04	0.9174	0.9206	0.9038	0.9078	0.9229
	1.00E-05	0.7894	0.8794	0.8217	0.8556	0.8774
ShuffleNet_V2_X0_5						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.9075	0.9226	0.9107	0.9045	0.9227
	1.00E-02	0.7816	0.7818	0.7891	0.7877	0.7855
	1.00E-03	0.0028	0.0000	0.0000	0.0000	0.0102
	1.00E-04	0.2165	0.1559	0.1806	0.0008	0.0880
SGD / Cosine	1.00E-01	0.9129	0.9145	0.9128	0.9161	0.9201
	1.00E-02	0.7974	0.7783	0.7815	0.7873	0.7836
	1.00E-03	0.0292	0.0000	0.0519	0.0074	0.0058
	1.00E-04	0.0129	0.0052	0.0465	0.0079	0.0000
Adam / Cosine	1.00E-02	0.9080	0.9098	0.9158	0.9214	0.9092
	1.00E-03	0.9060	0.9044	0.8979	0.8982	0.9072
	1.00E-04	0.7954	0.7560	0.7582	0.7639	0.7625
	1.00E-05	0.0186	0.3528	0.4198	0.5887	0.6508
SqueezeNet1_1						
	lr \ wd	1.00E-03	1.00E-04	1.00E-05	1.00E-06	0
SGD / Step	1.00E-01	0.0000	0.0000	0.0000	0.0000	0.0000
	1.00E-02	0.5719	0.0000	0.6901	0.0000	0.0000
	1.00E-03	0.8657	0.8794	0.8692	0.8674	0.8787
	1.00E-04	0.8247	0.8508	0.8471	0.8206	0.8407
SGD / Cosine	1.00E-01	0.0000	0.0000	0.0000	0.0000	0.0000
	1.00E-02	0.6707	0.6749	0.6309	0.6129	0.0000

	1.00E-03	0.8880	0.8790	0.9001	0.8808	0.8972
	1.00E-04	0.8342	0.8285	0.8549	0.8475	0.8283
Adam / Cosine	1.00E-02	0.0000	0.5715	0.0000	0.0000	0.6122
	1.00E-03	0.8174	0.8194	0.7941	0.8059	0.8047
	1.00E-04	0.8703	0.8847	0.8991	0.9021	0.8910
	1.00E-05	0.5497	0.8050	0.8270	0.7850	0.8022