

Dataset	Metric	Bare	CaT	CGNN	ERGNN	EWC	GEM	LwF	MAS	PIGNN	TWP	ALGNN
Cora	AP	27.67 \pm 3.78	25.12 \pm 0.17	57.71 \pm 3.11	73.50 \pm 1.49	29.11 \pm 1.69	45.34 \pm 0.30	29.73 \pm 6.69	39.07 \pm 6.75	70.78 \pm 0.31	25.03 \pm 1.04	75.86\pm1.76
	AF	90.74 \pm 4.83	76.93 \pm 7.40	44.74 \pm 2.38	18.60 \pm 2.15	88.60 \pm 2.77	65.61 \pm 2.43	87.99 \pm 8.72	74.59 \pm 3.14	28.13 \pm 1.92	94.30 \pm 0.21	X\pm2.06
	Time	5.90 \pm 0.4	8.21 \pm 0.2	5.82 \pm 0.2	6.16 \pm 0.3	6.93 \pm 0.4	19.64 \pm 0.2	7.34 \pm 0.8	6.52 \pm 0.1	7.03 \pm 0.4	8.76 \pm 0.3	1.08\pm0.11
Citeseer	AP	25.52 \pm 0.73	25.02 \pm 0.41	43.35 \pm 1.56	53.76 \pm 2.42	28.32 \pm 0.84	35.02 \pm 4.59	30.40 \pm 7.64	27.27 \pm 0.44	56.60 \pm 0.75	25.03 \pm 0.13	64.15\pm4.31
	AF	86.49 \pm 1.12	76.36 \pm 5.46	52.56 \pm 3.47	36.50 \pm 3.18	81.17 \pm 1.79	72.38 \pm 7.49	80.20 \pm 1.22	76.97 \pm 1.14	32.36 \pm 4.86	87.09 \pm 0.06	20.51\pm2.13
	Time	8.30 \pm 0.4	13.97 \pm 0.2	11.03 \pm 0.6	10.18 \pm 0.4	10.10 \pm 0.4	35.66 \pm 7.4	13.08 \pm 0.5	14.54 \pm 0.5	15.47 \pm 0.3	20.90 \pm 5.4	0.53\pm0.61
Corafull	AP	3.70 \pm 0.03	3.88 \pm 0.09	21.09 \pm 0.87	42.83 \pm 0.01	2.92 \pm 0.02	2.78 \pm 1.78	2.78 \pm 0.01	18.00 \pm 1.09	12.03 \pm 0.66	3.24 \pm 0.65	55.21\pm1.15
	AF	98.34 \pm 0.02	86.60 \pm 4.49	72.52 \pm 0.49	43.51 \pm 0.03	99.14 \pm 0.04	99.24 \pm 4.83	99.27 \pm 0.05	79.96 \pm 1.18	21.30 \pm 8.29	98.83 \pm 0.67	4.62\pm0.05
	Time	309.34 \pm 6.8	324.00 \pm 1.8	348.36 \pm 12.6	318.17 \pm 5.7	392.61 \pm 8.8	1969.90 \pm 35.2	431.26 \pm 0.5	315.33 \pm 0.1	423.36 \pm 4.4	383.17 \pm 3.6	7.33\pm0.11
Reddit	AP	4.76 \pm 0.72	24.85 \pm 4.00	34.87 \pm 1.07	58.68 \pm 0.90	7.42 \pm 0.64	66.96 \pm 0.25	4.76 \pm 0.15	10.10 \pm 0.36	54.31 \pm 1.65	8.79 \pm 0.45	87.70\pm0.30
	AF	99.81 \pm 0.42	32.37 \pm 6.69	66.98 \pm 1.12	42.18 \pm 0.95	96.99 \pm 0.67	16.95 \pm 0.25	99.80 \pm 0.63	94.06 \pm 0.53	37.91 \pm 0.13	93.89 \pm 0.85	1.37\pm1.15
	Time	1212.69 \pm 6.9	1157.81 \pm 9.9	1267.37 \pm 36.0	1188.48 \pm 11.0	1207.84 \pm 40.5	4580.42 \pm 95.8	1661.33 \pm 2.5	1164.92 \pm 15.2	1231.50 \pm 8.2	862.65 \pm 0.2	28.45\pm0.94
Ogbn Arxiv	AP	4.76 \pm 0.13	24.78 \pm 2.11	28.05 \pm 0.41	23.19 \pm 0.12	2.23 \pm 1.28	4.73 \pm 0.04	4.77 \pm 0.31	4.76 \pm 0.29	22.27 \pm 1.08	4.73 \pm 0.51	28.08\pm0.22
	AF	98.76 \pm 0.21	12.09 \pm 1.68	58.73 \pm 0.35	76.01 \pm 0.23	83.66 \pm 0.12	98.76 \pm 0.64	98.74 \pm 0.63	98.15 \pm 0.07	57.62 \pm 2.15	98.78 \pm 0.53	6.37\pm0.21
	Time	89.85 \pm 24.5	97.21 \pm 0.0	78.07 \pm 1.1	74.18 \pm 0.7	95.78 \pm 0.8	497.57 \pm 4.2	97.21 \pm 0.0	74.73 \pm 0.0	117.85 \pm 2.0	105.23 \pm 1.4	27.76\pm0.32
Amazon Computer	AP	16.67 \pm 0.41	15.03 \pm 3.61	35.71 \pm 0.09	79.19 \pm 0.08	20.50 \pm 0.18	16.94 \pm 0.38	16.67 \pm 0.32	25.26 \pm 0.94	69.80 \pm 1.49	20.57 \pm 4.36	80.15\pm4.60
	AF	98.85 \pm 0.08	9.26 \pm 2.86	73.29 \pm 0.44	22.73 \pm 0.28	94.25 \pm 0.13	98.53 \pm 0.54	98.86 \pm 0.08	88.20 \pm 1.27	32.01 \pm 3.06	94.17 \pm 5.31	13.78\pm6.61
	Time	6.65 \pm 0.5	10.64 \pm 0.1	7.57 \pm 0.1	6.87 \pm 0.3	8.38 \pm 0.1	21.24 \pm 0.3	8.55 \pm 0.4	7.33 \pm 0.2	8.40 \pm 0.3	9.88 \pm 0.6	0.39\pm0.03

Basis Vectors					
		Site(2b)		Site(2a)	
		Co1_1	Co1_2	Co2_1	Co2_2
		(0.5 0 0)	(0.5 0.5 0.5)	(0 0 0)	(0 0.5 0.5)
Γ_1	Ψ_1	(1 0 0)	(1 0 0)	(1 0 0)	(1 0 0)
	Ψ_2	(0 1 0)	(0 -1 0)	(0 1 0)	(0 -1 0)
	Ψ_3	(0 0 1)	(0 0 1)	(0 0 1)	(0 0 1)
Γ_2	Ψ_1	(1 0 0)	(-1 0 0)	(1 0 0)	(-1 0 0)
	Ψ_2	(0 1 0)	(0 1 0)	(0 1 0)	(0 1 0)
	Ψ_3	(0 0 1)	(0 0 -1)	(0 0 1)	(0 0 -1)

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