Mean Classification Accuracy on fully-supervised node classification task with hidden dimensions set to 64, 128 & 256.

Dataset	#dimensions	Single Feature						All feature		Sub feature		SOTA	
		X	$\mathbf{A}\mathbf{X}$	$(\mathbf{A} + \mathbf{I})\mathbf{X}$	$A^2\overline{X}$	$(\mathbf{A} + \mathbf{I})^2 \mathbf{X}$	$A^3X$	$(\mathbf{A} + \mathbf{I})^3 \mathbf{X}$	CAT	SUM	CAT	SUM	30 IA
	d = 64	73.40	79.55	84.28	83.86	85.47	83.58	85.41	87.68	87.5	88.10	88.04	
Cora	d = 128	73.84	79.93	84.56	85.85	86.94	85.05	86.23	87.76	87.92	88.19	88.43	88.49
	d=256	74.06	82.25	85.97	86.27	87.54	85.67	86.86	87.7	87.68	88.09	88.41	
	d = 64	71.66	69.10	73.53	72.38	74.07	70.55	73.92	77.08	77.09	77.52	77.43	
Citeseer	d = 128	71.94	70.74	73.96	73.70	74.58	71.42	74.28	77.35	77.04	77.70	77.63	77.99
	d = 256	72.54	71.80	76.67	75.02	76.53	72.77	75.36	77.35	77.11	77.86	77.74	
	d = 64	87.79	81.77	88.27	84.70	88.06	83.06	86.63	89.75	89.55	89.88	89.83	
Pubmed	d = 128	87.93	81.90	88.26	84.84	88.09	83.01	86.66	89.82	89.58	89.92	89.86	90.30
	d = 256	88.01	81.89	88.31	84.86	88.08	83.02	86.74	89.81	89.64	89.97	89.89	
	d = 64	46.05	77.74	71.22	76.07	71.77	75.26	71.62	75.61	72.25	78.59	78.55	
Chameleon	d = 128	46.07	77.74	71.40	76.11	71.42	76.07	71.86	75.76	71.4	78.99	77.98	66.47
	d = 256	46.09	77.63	71.25	76.77	71.07	76.2	72.58	76.77	70.81	79.01	77.63	
	d = 64	87.45	63.13	58.03	62.54	52.94	60.00	51.76	85.09	79.8	87.84	88.62	
Wisconsin	d = 128	88.03	62.54	57.84	62.15	52.35	58.82	51.17	85.29	82.94	88.43	88.04	86.98
	d = 256	88.03	62.54	58.03	61.96	51.76	57.84	50.78	87.45	83.92	89.02	89.22	
	d = 64	85.40	66.21	61.35	67.29	58.64	62.43	58.10	84.32	78.91	88.64	88.91	
Texas	d = 128	86.21	67.02	61.62	67.56	58.64	61.62	57.83	84.32	78.91	88.38	88.11	86.49
	d = 256	85.94	67.83	61.08	67.29	58.91	61.35	58.10	86.48	82.92	88.65	88.65	
	d = 64	85.94	58.64	63.51	58.64	61.62	58.91	60.27	81.89	72.25	86.21	86.75	
Cornell	d = 128	86.21	58.10	63.78	58.64	60.54	58.91	60.27	84.05	74.86	87.56	87.57	82.16
	d = 256	87.83	58.64	65.40	58.64	61.08	58.91	60.54	85.13	77.29	88.11	87.57	
	d = 64	30.24	73.18	63.79	71.28	63.37	64.42	62.82	73.02	64.68	74.16	73.12	
Squirrel	d = 128	30.30	72.83	63.66	71.49	64.43	64.49	63.59	72.55	62.50	73.87	72.78	49.03
	d = 256	30.66	72.54	63.28	71.91	65.36	65.24	63.77	72.63	59.88	74.49	72.76	
	d = 64	35.32	25.47	29.22	25.38	27.95	25.27	26.43	35.15	35.39	35.63	35.67	
Actor	d = 128	35.75	25.38	29.26	25.25	27.71	25.26	26.21	35.94	35.57	35.96	36.05	36.53
	d = 256	36.08	25.41	29.28	25.23	27.53	25.29	26.15	36.10	35.60	36.22	36.31	

 $Mean\ classification\ accuracy\ under\ Sub\_Feature\ setting\ with\ and\ without\ using\ ReLU\ activation\ and\ d=256.$ 

Dataset		eature ReLU)	Sub_F (No F	SOTA	
	CAT	SUM	CAT	SUM	
Cora	88.09	88.41	88.49	88.51	88.49
Citeseer	77.86	77.74	77.72	77.81	77.99
Pubmed	89.97	89.89	89.52	89.54	90.30
Chameleon	79.01	77.63	76.95	76.69	66.47
Wisconsin	89.02	89.22	88.63	88.82	86.98
Texas	88.65	88.65	89.73	88.38	86.49
Cornell	88.11	87.57	88.38	87.84	82.16
Squirrel	74.49	72.76	70.45	69.94	49.03
Actor	36.22	36.31	36.11	35.8	36.53