

TABLE I
CWRU WITH THE TIME DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.87	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Last	99.68	98.51	100.00	99.22	100.00	100.00	100.00	99.61	100.00	99.68	100.00	99.81	100.00	100.00	100.00	99.87
0-2	Best	100.00	99.87	100.00	100.00	100.00	100.00	100.00	99.94	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Last	99.68	97.79	100.00	99.94	100.00	100.00	100.00	99.74	100.00	99.94	100.00	100.00	100.00	100.00	100.00	100.00
0-3	Best	98.71	95.08	100.00	100.00	100.00	100.00	100.00	97.15	100.00	100.00	100.00	100.00	99.68	95.66	100.00	98.32
	Last	97.73	94.17	100.00	99.48	100.00	99.94	99.68	96.25	100.00	99.87	100.00	99.94	98.38	94.37	100.00	95.47
1-0	Best	100.00	99.85	100.00	100.00	100.00	100.00	100.00	99.77	100.00	100.00	100.00	99.92	100.00	100.00	100.00	100.00
	Last	96.93	93.79	100.00	95.63	100.00	100.00	99.62	98.47	100.00	100.00	100.00	99.92	100.00	99.77	100.00	99.85
1-2	Best	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.87	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Last	100.00	100.00	100.00	99.87	100.00	100.00	100.00	99.42	100.00	100.00	100.00	99.94	100.00	100.00	100.00	99.94
1-3	Best	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.16	100.00	100.00	100.00	100.00	100.00	99.81	100.00	100.00
	Last	100.00	99.94	100.00	99.94	100.00	100.00	100.00	98.06	100.00	100.00	100.00	100.00	100.00	98.38	100.00	100.00
2-0	Best	99.23	99.23	99.23	99.23	99.62	99.39	99.23	98.08	100.00	99.38	99.23	99.23	100.00	99.69	100.00	99.69
	Last	99.23	94.48	99.23	98.85	99.23	99.23	98.85	97.32	99.62	99.31	99.23	99.15	99.62	99.23	99.62	99.08
2-1	Best	100.00	100.00	100.00	100.00	100.00	100.00	99.35	97.53	100.00	99.94	100.00	99.87	100.00	99.22	100.00	99.74
	Last	100.00	99.94	100.00	100.00	100.00	100.00	99.03	94.22	100.00	99.74	100.00	99.68	99.68	98.12	100.00	99.42
2-3	Best	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.61	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Last	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.09	100.00	99.74	100.00	99.94	100.00	100.00	100.00	100.00
3-0	Best	99.62	99.16	100.00	99.54	99.62	99.54	98.47	95.71	99.23	99.23	99.62	99.39	96.93	94.94	99.23	99.00
	Last	98.47	94.71	100.00	99.23	99.23	99.23	98.08	93.56	99.23	99.15	99.23	99.23	95.79	93.03	99.23	98.77
3-1	Best	100.00	99.81	100.00	98.51	100.00	98.51	99.68	97.92	100.00	100.00	100.00	99.74	98.38	94.35	99.35	99.35
	Last	100.00	99.61	100.00	98.05	100.00	98.51	99.68	96.76	100.00	99.87	100.00	99.16	97.40	92.60	99.35	99.29
3-2	Best	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.42	100.00	100.00	100.00	100.00	100.00	99.22	100.00	100.00
	Last	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.09	100.00	100.00	100.00	100.00	100.00	98.77	100.00	100.00
Best Average		99.80	99.42	99.94	99.77	99.94	99.79	99.73	98.67	99.94	99.88	99.90	99.85	99.58	98.57	99.88	99.68
Last Average		99.31	97.75	99.94	99.18	99.87	99.74	99.58	97.63	99.90	99.78	99.87	99.73	99.24	97.86	99.85	99.31

TABLE II
CWRU WITH THE FREQUENCY DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	100.00	99.94	100.00	99.87	100.00	100.00	100.00	99.81	100.00	100.00	100.00	99.94	100.00	99.87	100.00	100.00
	Last	100.00	99.81	99.68	99.16	100.00	99.94	100.00	99.42	99.68	99.68	99.68	99.18	100.00	99.55	100.00	100.00
0-2	Best	99.35	97.21	100.00	99.48	100.00	99.35	100.00	97.01	100.00	98.18	96.10	93.18	93.18	92.53	100.00	100.00
	Last	98.70	96.95	99.35	97.99	100.00	99.16	99.68	96.43	100.00	97.40	95.78	92.08	92.86	91.04	100.00	100.00
0-3	Best	99.35	93.33	100.00	95.34	92.88	90.23	100.00	93.07	100.00	98.32	100.00	89.26	80.58	77.73	100.00	100.00
	Last	99.35	92.69	100.00	91.46	92.56	85.37	100.00	91.07	99.68	97.15	100.00	87.96	78.96	75.79	100.00	100.00
1-0	Best	99.62	99.31	100.00	99.38	100.00	100.00	99.23	98.39	99.62	99.31	99.23	99.23	100.00	98.70	100.00	100.00
	Last	97.32	92.65	100.00	96.55	100.00	99.70	98.47	97.32	99.62	99.08	98.85	98.16	100.00	98.47	100.00	100.00
1-2	Best	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.68	100.00	100.00	100.00	100.00	95.45	94.09	100.00	100.00
	Last	100.00	99.94	100.00	100.00	100.00	100.00	100.00	99.42	100.00	100.00	100.00	100.00	94.16	93.05	100.00	100.00
1-3	Best	100.00	98.06	100.00	93.79	100.00	92.30	100.00	95.92	100.00	100.00	100.00	91.39	85.76	83.75	100.00	100.00
	Last	100.00	96.83	100.00	93.72	100.00	88.74	100.00	94.63	100.00	99.94	100.00	90.42	83.82	81.49	100.00	100.00
2-0	Best	95.79	87.13	93.87	82.83	99.62	90.04	93.10	82.22	97.70	88.12	89.66	86.36	80.84	79.01	100.00	100.00
	Last	90.04	83.22	86.97	70.80	99.23	85.36	92.72	77.24	96.17	81.30	89.66	83.07	77.01	75.09	100.00	99.85
2-1	Best	100.00	97.40	100.00	95.98	100.00	94.55	99.68	97.86	100.00	94.03	92.53	90.32	91.23	87.86	100.00	100.00
	Last	99.35	97.01	100.00	94.22	100.00	93.70	99.68	96.95	99.68	91.89	92.53	89.28	90.58	85.58	100.00	100.00
2-3	Best	100.00	95.66	100.00	99.94	100.00	100.00	100.00	99.81	100.00	92.23	100.00	100.00	89.00	83.30	100.00	100.00
	Last	100.00	92.75	100.00	99.87	100.00	99.87	100.00	99.35	100.00	89.78	100.00	100.00	88.67	80.84	100.00	100.00
3-0	Best	86.97	82.53	81.61	78.77	98.47	86.59	90.04	85.36	93.49	88.51	80.84	78.77	77.78	72.72	100.00	100.00
	Last	86.97	77.16	76.25	71.27	98.47	86.05	88.89	84.21	93.49	88.28	79.69	76.09	76.63	70.50	100.00	99.62
3-1	Best	99.35	95.78	99.68	94.61	92.21	91.76	99.68	94.94	99.68	96.63	92.21	85.65	89.29	83.70	100.00	100.00
	Last	99.03	94.94	99.68	92.66	92.21	88.63	99.35	93.12	99.68	95.26	91.23	84.48	88.31	81.95	100.00	100.00
3-2	Best	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.74	100.00	100.00	100.00	100.00	95.78	88.64	100.00	100.00
	Last	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.61	100.00	100.00	100.00	99.94	93.83	87.40	100.00	100.00
Best Average		98.37	95.53	97.93	95.00	98.60	95.40	98.48	95.32	99.21	96.28	95.88	92.84	89.91	86.83	100.00	100.00
Last Average		97.56	93.66	96.83	92.31	98.54	93.88	98.23	94.06	99.00	94.98	95.62	91.76	88.74	85.06	100.00	99.96

TABLE III

PHM2009 WITH THE TIME DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	42.63	41.67	45.19	43.01	44.87	42.82	38.46	35.64	45.51	44.61	45.51	43.65	43.59	41.86	52.88	48.78
	Last	40.38	37.56	41.67	40.45	41.99	40.07	35.58	32.50	43.59	41.41	42.95	41.93	42.31	39.42	48.08	44.81
0-2	Best	47.44	45.00	50.00	46.47	47.44	45.51	41.67	35.96	49.04	46.73	48.72	45.77	50.00	46.41	52.88	50.26
	Last	45.19	41.28	49.36	43.78	44.55	41.41	39.10	33.01	45.83	44.10	45.51	42.50	48.40	44.49	48.40	47.05
0-3	Best	40.06	38.14	41.99	39.68	41.99	38.85	36.54	32.56	41.35	39.68	41.99	39.49	41.67	39.23	49.36	43.97
	Last	37.18	34.36	41.03	36.35	40.06	35.96	35.90	29.62	38.78	35.90	40.38	36.41	37.18	36.09	46.79	41.09
1-0	Best	47.12	45.83	48.40	46.22	47.76	45.96	43.27	41.09	50.96	47.05	49.04	46.41	49.36	47.57	47.12	43.72
	Last	42.95	40.58	44.23	41.99	42.31	40.26	37.82	28.08	48.08	42.88	42.95	40.32	46.79	43.65	44.87	40.32
1-2	Best	57.05	55.51	56.41	54.81	55.13	54.17	49.36	47.18	54.81	53.72	57.69	55.38	57.37	56.35	61.22	58.40
	Last	52.88	51.86	54.49	51.67	51.60	50.32	44.87	38.14	51.92	49.81	55.77	53.08	56.09	53.27	58.01	54.10
1-3	Best	49.04	48.53	50.96	48.01	49.04	48.14	46.47	40.90	50.96	48.01	49.36	47.63	50.00	48.01	56.09	52.76
	Last	44.87	44.04	46.79	44.17	46.15	42.63	39.10	34.62	45.19	43.27	43.91	42.44	46.47	42.63	50.96	48.52
2-0	Best	48.72	46.41	48.40	46.34	49.68	47.05	43.59	38.40	50.64	48.27	48.08	46.28	46.47	44.61	44.23	42.31
	Last	45.19	42.11	44.23	42.63	44.55	42.50	31.73	25.96	47.76	44.30	46.79	42.37	44.55	42.69	39.10	37.63
2-1	Best	54.81	53.01	56.09	54.43	54.81	53.78	52.24	48.97	55.13	53.40	54.49	52.76	53.21	50.39	59.94	58.21
	Last	50.96	48.59	51.60	50.64	51.60	49.61	41.67	35.77	50.96	48.85	50.96	47.37	52.56	48.33	55.77	52.82
2-3	Best	57.37	56.35	58.65	56.92	58.97	57.56	52.56	50.83	58.97	56.28	60.58	56.80	63.78	60.64	56.73	56.09
	Last	52.56	51.66	56.41	52.95	56.73	54.04	48.08	41.16	54.49	52.31	58.01	53.14	62.82	58.40	55.13	52.63
3-0	Best	40.06	37.69	41.03	38.72	38.14	37.44	36.86	31.73	38.46	37.12	39.42	37.95	44.23	40.96	38.46	36.73
	Last	31.41	28.85	30.45	29.17	29.17	28.40	32.37	23.27	28.85	28.59	30.77	27.12	41.03	36.03	34.29	32.88
3-1	Best	51.28	49.10	51.92	49.10	51.60	49.94	42.31	40.00	49.68	48.40	52.24	48.59	50.96	49.04	54.49	51.03
	Last	45.83	42.88	48.08	43.40	48.40	46.60	39.42	34.81	42.63	38.91	47.76	42.63	47.12	44.81	52.56	45.96
3-2	Best	56.73	54.17	55.45	54.23	56.09	54.10	54.81	48.33	55.45	53.78	56.09	54.30	57.37	55.71	56.41	53.66
	Last	51.92	48.84	50.96	48.97	52.88	48.46	53.21	39.30	53.21	49.81	50.96	46.86	55.45	53.33	53.21	48.97
Best Average		49.36	47.62	50.37	48.16	49.63	47.94	44.85	40.97	50.08	48.09	50.27	47.92	50.67	48.40	52.48	49.66
Last Average		45.11	42.72	46.61	43.85	45.83	43.36	39.90	33.02	45.94	43.35	46.39	43.01	48.40	45.26	48.93	45.57

TABLE IV

PHM2009 WITH THE FREQUENCY DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	63.14	61.54	63.78	63.01	64.42	61.09	56.73	53.33	62.82	61.35	63.14	61.09	60.58	59.49	58.01	53.65
	Last	60.58	58.59	62.50	60.90	62.18	58.97	52.88	48.14	60.26	58.72	61.86	58.78	57.05	55.90	53.53	49.68
0-2	Best	53.21	51.67	54.17	52.44	53.85	52.05	50.32	48.59	52.88	52.69	55.13	53.02	60.26	53.59	54.49	49.30
	Last	47.12	45.90	49.68	48.14	51.92	47.05	42.95	39.81	50.64	48.01	51.60	49.68	57.37	50.96	50.96	45.06
0-3	Best	49.36	47.56	52.24	49.62	49.68	48.72	50.32	47.18	50.96	49.17	50.64	47.12	49.68	47.69	48.72	46.99
	Last	42.31	41.60	44.87	43.72	46.15	44.04	43.27	37.69	44.23	42.37	43.59	40.51	47.76	44.42	43.59	42.50
1-0	Best	66.35	63.46	69.23	67.11	71.15	67.69	65.71	56.35	67.95	66.35	67.31	63.14	58.33	54.74	76.60	68.46
	Last	64.74	61.41	65.71	63.53	68.91	65.83	64.42	52.44	66.99	64.30	63.46	60.45	55.77	51.73	65.06	58.27
1-2	Best	67.31	65.00	68.59	64.81	66.67	64.74	68.59	65.39	70.83	68.59	68.59	64.87	66.99	64.61	66.67	64.36
	Last	64.10	60.06	63.14	61.92	63.78	62.31	65.71	60.58	69.87	66.09	66.99	63.14	63.78	61.73	61.54	58.33
1-3	Best	59.62	56.47	63.46	57.18	60.58	55.19	60.26	56.15	61.22	57.44	66.03	59.36	57.37	56.67	61.54	57.82
	Last	55.45	51.28	53.53	51.28	59.62	52.69	53.85	51.67	57.37	54.49	64.10	56.99	53.21	51.73	60.58	53.08
2-0	Best	61.54	58.91	66.03	62.57	66.67	62.69	56.41	46.73	63.46	61.54	60.90	59.17	60.26	57.89	65.71	61.67
	Last	59.94	55.90	65.06	59.29	66.35	59.74	49.36	35.96	60.58	58.85	56.73	55.26	57.05	53.33	59.94	55.07
2-1	Best	71.15	69.10	72.44	69.81	70.51	68.59	67.63	64.74	71.47	69.49	71.15	69.93	67.63	65.71	68.91	65.51
	Last	68.91	66.35	69.55	67.57	68.27	66.28	65.71	57.82	68.91	66.54	70.51	68.14	65.38	63.33	65.71	61.28
2-3	Best	80.45	75.77	79.81	76.67	79.49	77.05	77.88	75.06	78.85	76.22	77.24	74.10	72.44	69.55	81.41	78.08
	Last	73.40	70.58	74.68	72.50	78.21	75.64	75.64	71.99	75.00	73.46	74.36	70.96	71.79	67.31	78.85	69.17
3-0	Best	49.68	47.63	48.40	47.05	54.49	48.97	40.06	36.22	50.00	47.69	50.32	46.34	52.88	50.45	55.45	51.48
	Last	39.74	36.54	45.19	38.33	50.96	43.33	28.53	21.15	45.83	37.76	43.91	38.53	48.08	42.95	53.85	45.58
3-1	Best	61.86	60.00	61.54	60.58	64.74	62.88	59.94	52.50	63.14	61.09	63.46	61.60	64.42	62.82	62.82	60.58
	Last	57.69	56.09	58.97	57.63	64.42	61.03	56.09	41.28	62.50	58.97	59.94	58.01	61.54	59.30	60.26	57.37
3-2	Best	73.08	72.31	72.44	72.12	71.79	69.55	75.32	73.21	71.47	68.91	71.47	70.25	76.60	75.51	80.45	77.57
	Last	70.51	67.95	68.91	68.01	70.51	67.37	72.76	69.68	70.19	65.71	69.55	66.99	73.72	71.35	77.56	73.21
Best Average		63.06	60.79	64.34	61.91	64.50	61.60	60.76	56.29	63.75	61.71	63.78	60.83	62.29	59.89	65.07	61.29
Last Average		58.71	56.02	60.15	57.74	62.61	58.69	55.93	49.02	61.03	57.94	60.55	57.29	59.38	56.17	60.95	55.72

TABLE V
PU WITH THE TIME DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	32.36	28.68	39.11	36.84	42.94	40.27	28.86	26.24	53.53	49.21	50.80	46.20	57.06	55.67	53.53	50.38
	Last	31.90	27.79	37.88	35.49	42.18	38.62	25.80	22.32	53.08	48.96	50.41	45.66	56.29	53.80	51.84	48.50
0-2	Best	76.03	75.27	77.10	75.76	74.96	74.38	95.10	94.28	96.92	96.50	97.03	96.65	82.60	82.26	89.01	87.90
	Last	75.88	73.92	75.73	74.41	73.28	72.12	94.90	94.02	96.71	96.29	96.98	96.47	81.98	81.07	88.24	87.10
0-3	Best	47.81	45.39	51.89	50.08	53.25	50.83	42.97	37.91	55.52	53.68	53.86	51.22	60.36	57.67	81.24	78.73
	Last	44.93	41.90	49.77	48.32	52.50	49.56	37.52	32.65	54.16	52.13	51.44	48.83	58.70	56.01	80.48	77.64
1-0	Best	35.94	33.67	39.63	34.62	41.17	33.61	47.92	42.78	58.61	56.58	50.71	50.13	50.69	45.47	50.08	48.89
	Last	33.95	29.65	34.10	31.03	38.56	31.12	46.38	41.04	58.29	56.27	49.87	48.94	47.00	43.22	48.69	43.82
1-2	Best	36.64	33.59	38.78	34.63	34.81	32.98	30.99	24.52	36.49	34.11	37.71	35.02	54.50	50.23	52.82	50.60
	Last	34.66	27.82	32.21	28.58	30.99	28.82	25.04	19.82	30.38	28.15	28.40	26.11	50.23	47.54	49.62	46.69
1-3	Best	28.44	25.48	31.32	30.29	30.41	28.02	22.84	21.39	31.47	28.47	31.62	28.50	40.24	35.16	48.26	40.48
	Last	24.81	23.75	28.44	27.38	29.20	25.17	18.91	16.10	27.84	25.81	25.72	23.18	39.94	34.42	38.88	35.63
2-0	Best	77.57	75.36	77.42	75.73	75.12	74.75	94.58	69.36	96.04	84.15	96.17	83.46	84.49	82.64	90.32	88.60
	Last	75.88	73.82	76.19	74.47	73.58	71.83	94.33	54.66	96.01	83.24	96.01	78.19	82.64	81.01	89.55	87.75
2-1	Best	30.21	26.87	37.27	35.00	38.19	37.48	21.78	19.60	35.89	34.05	32.52	29.29	56.60	54.72	57.67	55.74
	Last	29.75	25.61	33.90	32.33	36.66	35.74	17.64	14.79	33.90	32.92	30.67	27.24	55.83	53.01	55.37	53.99
2-3	Best	44.48	41.91	45.99	43.45	46.29	44.42	37.82	36.16	48.41	45.26	46.75	44.42	55.98	53.25	83.81	80.56
	Last	40.70	37.01	43.12	40.43	44.63	42.75	29.95	27.08	47.35	44.21	44.63	42.06	53.86	50.80	82.30	79.04
3-0	Best	39.78	36.37	43.78	39.23	43.16	40.31	26.57	23.93	41.01	38.06	43.01	37.70	56.68	52.04	72.50	67.80
	Last	33.03	30.17	40.71	37.57	43.01	38.92	21.81	16.90	40.09	35.12	35.79	34.01	55.91	51.00	71.27	66.14
3-1	Best	27.61	23.65	26.53	23.62	25.46	24.33	23.62	21.17	26.07	24.54	26.38	24.51	39.26	37.69	49.69	45.21
	Last	21.32	18.16	20.09	17.95	21.78	20.09	21.93	16.35	22.70	19.88	23.16	20.98	36.96	35.62	48.62	43.71
3-2	Best	39.69	37.40	40.61	38.35	40.31	39.33	36.95	30.57	43.66	39.76	41.68	39.66	56.79	54.27	78.32	75.11
	Last	33.89	31.05	37.71	36.64	39.54	38.32	33.74	21.47	42.90	38.32	33.59	31.36	54.50	52.56	77.25	74.20
Best Average		43.05	40.30	45.79	43.13	45.51	43.39	42.50	37.33	51.97	48.70	50.69	47.23	57.94	55.09	67.27	64.17
Last Average		40.06	36.72	42.49	40.38	43.83	41.09	39.00	31.43	50.28	46.78	47.22	43.59	56.15	53.34	65.18	62.02

TABLE VI
PU WITH THE FREQUENCY DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	29.45	27.79	41.26	34.02	43.87	39.23	23.31	21.50	44.17	39.20	45.09	38.07	47.55	42.52	70.55	68.34
	Last	27.30	25.55	40.34	32.79	42.79	36.96	17.33	15.80	43.40	37.82	44.63	35.92	45.71	41.47	68.71	66.59
0-2	Best	94.35	92.46	94.81	93.41	94.20	93.41	87.63	83.33	94.81	93.77	96.34	94.81	96.79	95.69	99.69	99.27
	Last	92.37	91.33	94.20	92.70	92.37	91.67	87.02	80.00	94.35	93.22	95.88	93.92	96.18	94.78	99.39	98.99
0-3	Best	74.13	70.65	77.76	73.95	79.27	77.73	66.87	60.12	80.94	77.22	81.69	77.85	79.12	75.67	90.02	85.02
	Last	73.22	69.47	77.61	73.22	77.76	76.37	66.26	57.03	79.43	76.28	80.48	76.58	78.67	73.95	89.71	83.45
1-0	Best	28.73	26.18	28.57	26.60	28.57	26.48	21.04	19.63	33.79	32.26	35.02	29.31	46.08	39.48	61.29	59.39
	Last	23.50	21.72	27.50	24.21	27.50	25.07	16.90	15.15	33.33	31.00	31.95	27.50	44.24	37.97	60.06	57.54
1-2	Best	28.24	27.27	34.05	31.54	41.22	33.25	23.82	22.35	37.71	34.20	36.18	32.98	49.92	43.97	70.08	64.58
	Last	25.19	22.50	32.52	29.44	40.31	31.57	19.85	16.86	36.34	32.34	34.35	30.41	48.70	42.14	67.94	60.21
1-3	Best	20.42	18.79	24.66	22.18	28.44	25.20	18.61	14.70	23.60	21.30	24.21	20.73	38.58	35.25	53.71	50.20
	Last	18.46	16.97	24.05	20.67	27.84	23.84	17.40	12.95	22.69	19.46	22.24	18.73	38.43	34.62	52.80	49.08
2-0	Best	90.17	89.19	92.63	90.88	93.24	91.74	85.41	81.97	91.86	90.60	92.32	90.26	93.24	92.38	98.92	98.37
	Last	89.71	88.60	91.40	90.08	91.71	90.39	84.95	79.17	91.24	89.86	91.86	89.55	92.17	91.34	98.46	97.91
2-1	Best	31.60	29.39	40.64	38.62	48.77	47.12	24.54	24.05	46.01	40.55	45.40	40.49	44.48	42.42	74.23	67.09
	Last	30.37	27.85	39.42	37.33	46.93	45.86	22.09	19.20	44.33	39.20	42.64	38.41	44.17	41.66	73.47	65.71
2-3	Best	76.25	74.28	80.79	77.46	82.30	79.94	70.50	62.48	79.43	77.55	82.15	79.21	77.61	76.22	93.34	91.53
	Last	75.49	73.07	80.64	76.34	81.69	78.48	69.59	58.24	77.76	76.43	81.85	78.46	75.34	74.58	93.04	90.59
3-0	Best	62.21	59.60	73.27	65.77	74.96	70.81	56.53	51.74	68.51	66.27	67.74	62.61	62.83	60.00	82.49	79.82
	Last	60.98	58.43	71.43	64.52	73.58	68.72	55.76	47.56	67.90	65.50	66.97	61.26	61.75	58.53	80.95	78.68
3-1	Best	31.90	25.95	30.67	27.88	38.50	30.89	25.00	20.95	32.82	29.11	32.52	28.53	42.48	39.17	52.45	43.59
	Last	29.75	21.90	28.68	24.79	32.36	27.70	20.71	16.20	31.75	26.69	30.21	25.58	41.72	37.91	49.69	38.53
3-2	Best	68.55	65.74	76.95	71.05	78.63	73.74	60.31	53.50	74.96	70.81	70.84	65.59	65.80	61.56	97.56	93.16
	Last	66.72	64.64	76.03	69.95	77.71	72.55	59.24	51.11	74.66	70.11	69.77	64.12	64.43	59.63	96.49	92.18
Best Average		53.00	50.61	58.01	54.45	61.00	57.46	46.96	43.03	59.05	56.07	59.13	55.04	62.04	58.69	78.69	75.03
Last Average		51.09	48.50	56.99	53.00	59.38	55.77	44.76	39.11	58.10	54.83	57.74	53.37	60.96	57.38	77.56	73.29

TABLE VII

JNU WITH THE TIME DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	98.12	97.95	98.98	98.26	98.63	98.12	96.42	89.93	98.29	97.61	98.12	97.78	100.00	99.86	99.32	98.84
	Last	97.78	96.83	98.63	98.02	95.56	91.13	88.91	80.21	97.10	96.73	97.27	96.76	99.66	99.39	97.95	97.75
0-2	Best	97.61	97.37	98.29	97.88	98.46	97.81	94.71	92.29	98.12	97.54	97.95	97.51	98.81	98.39	99.32	98.57
	Last	96.59	96.21	97.61	97.20	96.76	94.71	90.10	81.13	97.78	97.00	96.76	96.45	98.12	97.92	99.32	97.88
1-0	Best	95.73	94.88	95.73	95.42	95.39	94.37	82.76	77.95	94.54	94.03	93.86	93.17	95.56	94.44	94.37	93.72
	Last	94.88	93.93	95.05	94.78	88.40	82.05	80.38	74.81	94.20	93.07	88.40	87.17	92.15	88.12	94.03	92.76
1-2	Best	99.15	98.84	99.49	99.18	99.32	99.22	97.10	95.22	98.98	98.74	99.32	98.67	99.49	99.10	99.15	98.77
	Last	98.63	98.39	98.81	98.74	98.98	97.78	96.59	89.39	98.29	97.98	98.46	97.88	98.63	97.95	98.98	98.29
2-0	Best	93.17	92.25	93.69	92.83	93.34	92.76	87.20	81.74	91.64	91.02	93.00	91.53	94.03	93.07	93.52	91.95
	Last	91.13	90.72	92.83	91.36	89.25	80.68	77.47	69.59	90.61	89.86	89.42	87.68	92.66	91.90	92.83	90.82
2-1	Best	99.15	98.46	98.81	98.57	99.32	98.67	96.25	95.33	98.63	97.95	98.81	98.39	99.66	99.49	99.66	99.42
	Last	97.61	96.69	97.95	97.61	97.61	96.76	95.90	87.99	97.95	97.54	97.78	96.62	99.49	98.72	99.15	99.05
Best Average		97.16	96.63	97.50	97.02	97.41	96.83	92.41	88.74	96.70	96.15	96.84	96.18	97.93	97.39	97.56	96.88
Last Average		96.10	95.46	96.81	96.29	94.43	90.52	88.23	80.52	95.99	95.36	94.68	93.76	96.79	95.67	97.04	96.09

TABLE VIII

JNU WITH THE FREQUENCY DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	94.88	94.23	96.59	95.02	94.37	93.38	86.01	81.71	94.54	93.62	94.20	91.03	91.81	85.36	99.83	99.76
	Last	94.37	93.28	95.73	94.13	81.57	77.95	84.81	80.61	94.20	93.00	93.52	90.24	84.64	79.73	99.83	99.56
0-2	Best	88.23	86.42	88.40	86.83	82.94	81.43	85.15	79.73	87.71	86.25	87.54	86.59	86.35	83.48	100.00	99.83
	Last	87.88	85.56	85.84	83.42	69.97	65.74	84.64	76.72	86.35	84.78	83.96	81.98	85.84	81.74	100.00	99.66
1-0	Best	93.00	85.42	94.37	93.27	92.66	84.98	83.62	77.85	93.52	88.43	92.49	89.15	74.23	70.72	99.32	99.08
	Last	92.66	84.37	94.03	92.49	82.42	71.26	81.57	76.55	93.17	86.93	91.64	87.75	71.33	68.50	99.15	98.77
1-2	Best	96.42	95.53	97.95	96.59	97.44	96.42	94.71	89.69	96.08	95.60	96.59	95.90	93.69	90.48	100.00	99.93
	Last	95.90	94.91	97.44	95.77	95.56	91.09	94.20	85.46	95.22	94.81	95.90	95.22	92.15	89.55	99.83	99.63
2-0	Best	92.83	90.85	92.32	91.71	92.15	91.37	83.96	80.85	92.32	90.96	92.32	90.92	84.81	80.27	99.32	99.01
	Last	92.49	90.24	91.64	90.78	87.03	84.57	82.08	77.92	91.30	90.24	91.64	88.12	82.59	77.47	98.81	98.46
2-1	Best	97.27	95.39	97.61	92.01	98.29	97.17	95.39	93.24	97.95	92.56	96.93	92.56	92.32	90.82	99.83	99.66
	Last	97.10	94.30	96.59	91.09	97.27	93.21	95.22	90.99	97.78	92.29	96.59	91.64	90.78	89.59	99.49	99.32
Best Average		93.77	91.31	94.54	92.57	92.98	90.79	88.14	83.85	93.69	91.24	93.35	91.03	87.20	83.52	99.72	99.55
Last Average		93.40	90.44	93.55	91.28	85.64	80.64	87.09	81.38	93.00	90.34	92.21	89.16	84.56	81.10	99.52	99.23

TABLE IX

SEU WITH THE TIME DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	70.09	63.99	71.41	67.10	66.42	59.71	49.71	46.07	68.91	62.49	70.67	61.46	53.67	49.24	56.30	54.52
	Last	69.06	62.73	70.67	65.48	64.96	57.25	45.89	34.46	67.89	60.03	62.32	55.66	48.39	45.98	50.44	48.42
1-0	Best	64.37	61.61	65.84	61.93	69.65	64.31	61.00	56.37	70.53	63.90	68.04	64.99	63.05	55.63	54.40	51.50
	Last	61.88	59.38	64.22	56.16	67.89	60.97	38.27	24.52	68.91	61.11	66.28	62.52	54.25	51.70	48.53	43.84
Best Average		67.23	62.80	68.63	64.52	68.04	62.01	55.36	51.22	69.72	63.20	69.36	63.23	58.36	52.44	55.35	53.01
Last Average		65.47	61.06	67.45	60.82	66.43	59.11	42.08	29.49	68.40	60.57	64.30	59.09	51.32	48.84	49.49	46.13

TABLE X

SEU WITH THE FREQUENCY DOMAIN INPUT (BEST AVERAGE: THE AVERAGE OF BEST; LAST AVERAGE: THE AVERAGE OF LAST, THE MAXIMUM MEAN VALUE OF EACH ROW IS BOLDED)

Task	Loc	MK-MMD		JMMD		LJMMD		CORAL		DANN		CDAN		CAT		TAKNI	
		Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean
0-1	Best	35.92	32.40	40.18	36.01	45.01	41.08	33.72	29.03	39.74	36.36	40.32	33.11	47.80	43.02	99.41	70.85
	Last	34.90	29.33	38.42	30.59	38.86	34.05	20.82	17.30	35.19	29.24	36.07	27.27	46.92	40.47	97.95	65.45
1-0	Best	40.18	33.37	44.13	38.03	63.49	51.88	30.79	25.31	50.00	47.92	49.85	48.97	50.00	43.05	100.00	95.95
	Last	40.18	32.76	43.26	34.11	62.46	51.23	26.39	17.86	49.85	47.68	49.85	47.65	47.36	41.82	100.00	95.80
Best Average		38.05	32.89	42.16	37.02	54.25	46.48	32.26	27.17	44.87	42.14	45.09	41.04	48.90	43.04	99.71	83.40
Last Average		37.54	31.05	40.84	32.35	50.66	42.64	23.61	17.58	42.52	38.46	42.96	37.46	47.14	41.15	98.98	80.63