TABLE S16
AVERAGED IGD VALUE OBTAINED BY NSGA-II, MOMFEA, EBS, MATEA AND EMATO-MKT OF TASK_1 TO TASK_{50} ON WCCI20-MOMATP1 AND WCCI20-MOMATP10 PROBLEMS AFTER 30 INDEPENDENT RUNS, WHERE THE BOLD IS THE BEST RESULT OF ALL ALGORITHMS.

	WCCI20-MOMATP1					WCCI20-MOMATP10				
task	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT
T_1	1.09E-01	1.33E-01	4.64E+01	2.70E-02	**1.60E-04**	1.89E-01	2.98E-01	1.49E+03	5.33E-02	**1.66E-04**
T_2	8.16E-02	1.36E-01	4.04E+01	2.84E-02	**1.60E-04**	3.73E+01	3.37E+02	1.91E+07	3.22E+01	**3.17E+01**
T_3	1.04E-01	1.46E-01	4.49E+01	2.88E-02	**1.60E-04**	5.28E-01	5.29E-01	5.54E-01	5.07E-01	**1.95E-04**
T_4	1.05E-01	1.25E-01	4.11E+01	2.90E-02	**1.59E-04**	2.15E+01	1.72E+01	3.73E+02	2.49E+01	**8.81E+00**
T_5	1.15E-01	1.41E-01	4.62E+01	2.81E-02	**1.60E-04**	1.14E-02	1.79E-02	3.99E-01	9.84E-03	**2.45E-04**
T_6	9.83E-02	1.28E-01	4.55E+01	2.46E-02	**1.61E-04**	1.46E+00	1.52E+00	1.96E+00	1.51E+00	**9.71E-01**
T_7	1.04E-01	1.19E-01	4.09E+01	2.50E-02	**1.60E-04**	1.01E-01	2.78E-01	1.22E+03	5.02E-02	**1.64E-04**
T_8	9.64E-02	1.76E-01	5.24E+01	2.54E-02	**1.59E-04**	1.30E+02	6.79E+01	2.38E+07	**2.52E+01**	5.82E+01
T_9	9.16E-02	1.40E-01	3.83E+01	2.48E-02	**1.59E-04**	5.28E-01	5.28E-01	5.53E-01	4.27E-01	**2.12E-04**
T_{10}	9.20E-02	1.44E-01	4.51E+01	2.21E-02	**1.61E-04**	2.22E+01	1.58E+01	3.71E+02	2.63E+01	**5.69E+00**
T_{11}	8.86E-02	1.41E-01	4.46E+01	2.55E-02	**1.60E-04**	1.33E-02	1.91E-02	3.97E-01	8.92E-03	**2.15E-04**
T_{12}	9.50E-02	1.27E-01	5.46E+01	2.80E-02	**1.63E-04**	1.43E+00	1.49E+00	1.95E+00	1.36E+00	**1.06E+00**
T_{13}	1.11E-01	1.34E-01	4.29E+01	2.41E-02	**1.60E-04**	1.61E-01	4.04E-01	1.50E+03	5.03E-02	**1.63E-04**
T_{14}	9.94E-02	1.38E-01	4.05E+01	2.60E-02	**1.60E-04**	1.01E+02	8.40E+02	2.17E+07	9.78E+01	**2.85E+01**
T_{15}	9.14E-02	1.37E-01	4.53E+01	2.60E-02	**1.60E-04**	5.25E-01	5.28E-01	5.51E-01	4.18E-01	**4.31E-04**
T_{16}	9.68E-02	1.49E-01	5.44E+01	2.68E-02	**1.59E-04**	2.11E+01	1.79E+01	3.16E+02	2.42E+01	**6.67E+00**
T_{17}	9.08E-02	1.29E-01	4.90E+01	2.58E-02	**1.58E-04**	1.17E-02	1.81E-02	3.98E-01	8.36E-03	**2.06E-04**
T_{18}	1.12E-01	1.42E-01	4.89E+01	2.54E-02	**1.60E-04**	1.44E+00	1.47E+00	1.87E+00	1.43E+00	**1.01E+00**
T_{19}	9.85E-02	1.53E-01	4.39E+01	2.94E-02	**1.59E-04**	1.68E-01	2.53E-01	1.36E+03	4.45E-02	**1.65E-04**
T_{20}	1.03E-01	1.34E-01	3.86E+01	2.33E-02	**1.61E-04**	1.44E+03	2.59E+02	1.91E+07	3.03E+02	**3.97E+00**
T_{21}	9.86E-02	1.37E-01	4.75E+01	2.73E-02	**1.59E-04**	5.31E-01	5.30E-01	5.53E-01	4.86E-01	**9.79E-04**
T_{22}	8.63E-02	1.20E-01	4.08E+01	2.68E-02	**1.59E-04**	2.50E+01	1.61E+01	4.82E+02	2.64E+01	**6.70E+00**
T_{23}	9.88E-02	1.44E-01	4.96E+01	2.29E-02	**1.60E-04**	1.18E-02	1.95E-02	3.52E-01	8.77E-03	**2.11E-04**
T_{24}	9.66E-02	1.40E-01	4.19E+01	2.48E-02	**1.59E-04**	1.45E+00	1.47E+00	1.84E+00	1.42E+00	**1.01E+00**
T_{25}	9.01E-02	1.49E-01	5.24E+01	2.93E-02	**1.61E-04**	1.43E-01	3.64E-01	1.50E+03	4.89E-02	**1.65E-04**
T_{26}	9.99E-02	1.23E-01	4.32E+01	2.59E-02	**1.61E-04**	1.27E+02	1.69E+02	1.91E+07	5.41E+01	**3.10E+00**
T_{27}	8.66E-02	1.30E-01	3.57E+01	2.50E-02	**1.61E-04**	5.35E-01	5.29E-01	5.53E-01	4.78E-01	**2.08E-03**
T_{28}	9.75E-02	1.54E-01	5.16E+01	2.67E-02	**1.61E-04**	2.32E+01	1.62E+01	3.40E+02	2.49E+01	**5.89E+00**
T_{29}	1.04E-01	1.44E-01	4.44E+01	2.44E-02	**1.61E-04**	1.19E-02	1.94E-02	4.27E-01	9.52E-03	**2.29E-04**
T_{30}	8.20E-02	1.41E-01	5.07E+01	2.70E-02	**1.61E-04**	1.38E+00	1.50E+00	1.81E+00	1.33E+00	**9.79E-01**
T_{31}	1.01E-01	1.34E-01	4.59E+01	2.95E-02	**1.61E-04**	1.36E-01	3.36E-01	1.31E+03	4.55E-02	**1.65E-04**
T_{32}	8.17E-02	1.42E-01	5.17E+01	2.53E-02	**1.62E-04**	6.58E+01	1.03E+02	3.49E+07	3.62E+01	**2.50E+01**
T_{33}	9.76E-02	1.38E-01	4.74E+01	2.43E-02	**1.61E-04**	5.32E-01	5.30E-01	5.55E-01	4.22E-01	**3.27E-03**
T_{34}	9.43E-02	1.33E-01	4.59E+01	2.57E-02	**1.58E-04**	1.98E+01	1.56E+01	3.84E+02	1.95E+01	**5.41E+00**
T_{35}	9.26E-02	1.41E-01	4.12E+01	2.22E-02	**1.61E-04**	1.14E-02	1.84E-02	3.93E-01	8.52E-03	**2.10E-04**
T_{36}	9.28E-02	1.19E-01	4.26E+01	2.47E-02	**1.62E-04**	1.36E+00	1.38E+00	1.83E+00	1.42E+00	**8.50E-01**
T_{37}	1.08E-01	1.36E-01	4.70E+01	2.49E-02	**1.63E-04**	1.36E-01	2.99E-01	1.30E+03	5.41E-02	**1.65E-04**
T_{38}	8.88E-02	1.46E-01	4.39E+01	2.97E-02	**1.61E-04**	5.02E+01	9.68E+01	2.36E+07	8.34E+01	**2.98E+00**
T_{39}	9.07E-02	1.26E-01	3.94E+01	2.30E-02	**1.60E-04**	5.33E-01	5.28E-01	5.55E-01	4.73E-01	**3.73E-03**
T_{40}	1.15E-01	1.29E-01	4.42E+01	2.50E-02	**1.59E-04**	2.16E+01	1.43E+01	3.33E+02	2.64E+01	**5.01E+00**
T_{41}	9.60E-02	1.36E-01	4.82E+01	2.78E-02	**1.61E-04**	1.11E-02	1.91E-02	3.42E-01	8.96E-03	**2.55E-04**
T_{42}	9.60E-02	1.50E-01	4.45E+01	2.81E-02	**1.60E-04**	1.39E+00	1.42E+00	1.97E+00	1.42E+00	**1.02E+00**
T_{43}	9.55E-02	1.32E-01	4.03E+01	2.53E-02	**1.61E-04**	1.68E-01	3.90E-01	1.63E+03	5.76E-02	**1.64E-04**
T_{44}	1.05E-01	1.21E-01	4.33E+01	2.44E-02	**1.60E-04**	1.90E+02	1.31E+02	2.06E+07	8.84E+01	**3.67E+00**
T_{45}	9.52E-02	1.50E-01	4.13E+01	2.54E-02	**1.60E-04**	5.35E-01	5.33E-01	5.54E-01	5.12E-01	**3.18E-04**
T_{46}	8.97E-02	1.54E-01	4.22E+01	2.88E-02	**1.62E-04**	2.61E+01	1.57E+01	4.58E+02	2.73E+01	**7.84E+00**
T_{47}	9.85E-02	1.37E-01	4.51E+01	2.50E-02	**1.61E-04**	1.13E-02	1.83E-02	4.37E-01	9.43E-03	**2.10E-04**
T_{48}	9.95E-02	1.28E-01	4.18E+01	2.79E-02	**1.59E-04**	1.45E+00	1.50E+00	1.93E+00	1.39E+00	**1.03E+00**
T_{49}	9.93E-02	1.33E-01	4.44E+01	2.44E-02	**1.61E-04**	1.43E-01	2.96E-01	1.33E+03	5.43E-02	**1.65E-04**
T_{50}	9.30E-02	1.50E-01	4.45E+01	2.19E-02	**1.60E-04**	4.95E+01	1.06E+02	1.35E+07	**3.37E+01**	4.52E+01

TABLE S17
AVERAGED IGD VALUE OBTAINED BY NSGA-II, MOMFEA, EBS, MATEA AND EMATO-MKT OF TASK_1 TO TASK_{50} ON WCCI20-MOMATP2 AND WCCI20-MOMATP3 PROBLEMS AFTER 30 INDEPENDENT RUNS, WHERE THE BOLD IS THE BEST RESULT OF ALL ALGORITHMS.

	WCCI20-MOMATP2					WCCI20-MOMATP3				
task	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT
T_1	2.12E+01	2.05E+01	2.49E+01	1.33E+01	**5.68E+00**	1.16E-02	2.12E-02	4.64E-02	5.92E-03	**2.03E-04**
T_2	2.11E+01	1.74E+01	2.02E+01	1.28E+01	**5.53E+00**	1.13E-02	2.31E-02	4.62E-02	5.05E-03	**2.07E-04**
T_3	2.11E+01	1.97E+01	2.48E+01	1.29E+01	**5.56E+00**	1.25E-02	2.25E-02	4.53E-02	5.79E-03	**1.96E-04**
T_4	2.10E+01	1.92E+01	2.38E+01	1.49E+01	**4.25E+00**	1.20E-02	2.27E-02	4.58E-02	5.76E-03	**2.61E-04**
T_5	2.16E+01	1.90E+01	2.26E+01	1.31E+01	**5.57E+00**	1.09E-02	2.26E-02	4.53E-02	6.06E-03	**2.37E-04**
T_6	2.15E+01	1.99E+01	2.68E+01	1.61E+01	**4.87E+00**	1.25E-02	2.31E-02	4.23E-02	5.71E-03	**2.47E-04**
T_7	2.18E+01	1.87E+01	2.41E+01	1.42E+01	**4.44E+00**	1.20E-02	2.18E-02	4.28E-02	5.94E-03	**2.82E-04**
T_8	2.17E+01	1.81E+01	2.36E+01	1.30E+01	**4.72E+00**	1.15E-02	2.16E-02	4.51E-02	5.43E-03	**2.13E-04**
T_9	2.39E+01	1.82E+01	2.36E+01	1.45E+01	**5.11E+00**	1.20E-02	2.21E-02	4.34E-02	5.58E-03	**2.33E-04**
T_{10}	2.24E+01	2.17E+01	2.59E+01	1.46E+01	**4.60E+00**	1.04E-02	2.17E-02	4.54E-02	5.98E-03	**2.18E-04**
T_{11}	2.12E+01	1.74E+01	2.36E+01	1.26E+01	**5.17E+00**	1.13E-02	2.22E-02	4.42E-02	4.99E-03	**2.17E-04**
T_{12}	2.35E+01	1.90E+01	2.31E+01	1.32E+01	**4.72E+00**	1.24E-02	2.36E-02	4.48E-02	6.56E-03	**2.17E-04**
T_{13}	2.08E+01	1.87E+01	2.40E+01	1.45E+01	**5.55E+00**	1.25E-02	2.11E-02	4.40E-02	5.80E-03	**2.30E-04**
T_{14}	2.05E+01	1.95E+01	2.20E+01	1.32E+01	**5.18E+00**	1.25E-02	2.17E-02	4.45E-02	5.84E-03	**2.04E-04**
T_{15}	2.15E+01	1.92E+01	2.50E+01	1.34E+01	**4.29E+00**	1.26E-02	2.30E-02	4.30E-02	6.30E-03	**2.35E-04**
T_{16}	2.35E+01	1.97E+01	2.43E+01	1.32E+01	**4.10E+00**	1.19E-02	2.22E-02	4.23E-02	5.58E-03	**2.09E-04**
T_{17}	2.21E+01	1.83E+01	2.36E+01	1.42E+01	**5.52E+00**	1.22E-02	2.31E-02	4.62E-02	5.40E-03	**2.43E-04**
T_{18}	2.16E+01	1.82E+01	2.13E+01	1.47E+01	**6.09E+00**	1.24E-02	2.28E-02	4.61E-02	5.94E-03	**2.10E-04**
T_{19}	2.10E+01	2.07E+01	2.47E+01	1.45E+01	**5.62E+00**	1.30E-02	2.19E-02	4.55E-02	6.02E-03	**2.21E-04**
T_{20}	2.30E+01	2.03E+01	2.51E+01	1.44E+01	**5.41E+00**	1.09E-02	2.35E-02	4.53E-02	6.53E-03	**2.00E-04**
T_{21}	2.22E+01	2.25E+01	2.71E+01	1.48E+01	**5.13E+00**	1.19E-02	2.16E-02	4.35E-02	5.55E-03	**1.96E-04**
T_{22}	2.21E+01	1.98E+01	2.39E+01	1.32E+01	**4.99E+00**	1.24E-02	2.29E-02	4.62E-02	5.68E-03	**2.04E-04**
T_{23}	2.07E+01	1.93E+01	2.62E+01	1.27E+01	**4.59E+00**	1.13E-02	2.19E-02	4.58E-02	5.94E-03	**2.20E-04**
T_{24}	2.14E+01	2.10E+01	2.65E+01	1.57E+01	**5.05E+00**	1.33E-02	2.27E-02	4.51E-02	5.92E-03	**1.93E-04**
T_{25}	2.20E+01	1.94E+01	2.50E+01	1.36E+01	**6.47E+00**	1.15E-02	2.43E-02	4.53E-02	6.13E-03	**2.07E-04**
T_{26}	2.12E+01	2.07E+01	2.66E+01	1.46E+01	**4.28E+00**	1.13E-02	2.28E-02	4.24E-02	6.10E-03	**2.13E-04**
T_{27}	2.49E+01	1.97E+01	2.14E+01	1.23E+01	**4.20E+00**	1.18E-02	2.30E-02	4.41E-02	5.57E-03	**2.09E-04**
T_{28}	1.95E+01	1.99E+01	2.55E+01	1.33E+01	**4.09E+00**	1.22E-02	2.26E-02	4.60E-02	6.03E-03	**2.80E-04**
T_{29}	2.05E+01	1.85E+01	2.45E+01	1.40E+01	**4.96E+00**	1.26E-02	2.27E-02	4.62E-02	5.41E-03	**2.16E-04**
T_{30}	1.93E+01	2.04E+01	2.49E+01	1.53E+01	**4.24E+00**	1.21E-02	2.21E-02	4.21E-02	5.77E-03	**2.64E-04**
T_{31}	1.87E+01	1.72E+01	2.18E+01	1.30E+01	**7.15E+00**	1.17E-02	2.25E-02	4.29E-02	5.22E-03	**1.98E-04**
T_{32}	2.18E+01	1.92E+01	2.56E+01	1.53E+01	**4.70E+00**	1.11E-02	2.37E-02	4.40E-02	5.66E-03	**2.87E-04**
T_{33}	2.24E+01	1.96E+01	2.36E+01	1.42E+01	**5.22E+00**	1.09E-02	2.36E-02	4.52E-02	5.40E-03	**2.19E-04**
T_{34}	2.04E+01	1.81E+01	2.29E+01	1.42E+01	**4.81E+00**	1.18E-02	2.38E-02	4.32E-02	5.85E-03	**2.02E-04**
T_{35}	2.12E+01	2.22E+01	2.53E+01	1.31E+01	**6.15E+00**	1.13E-02	2.32E-02	4.17E-02	5.52E-03	**2.62E-04**
T_{36}	2.06E+01	1.81E+01	2.54E+01	1.57E+01	**4.69E+00**	1.23E-02	2.19E-02	4.47E-02	5.88E-03	**2.52E-04**
T_{37}	2.31E+01	2.00E+01	2.45E+01	1.17E+01	**4.85E+00**	1.22E-02	2.15E-02	4.36E-02	5.80E-03	**2.43E-04**
T_{38}	2.06E+01	2.00E+01	2.36E+01	1.34E+01	**5.29E+00**	1.21E-02	2.23E-02	4.34E-02	6.05E-03	**2.37E-04**
T_{39}	2.12E+01	1.81E+01	2.53E+01	1.47E+01	**4.18E+00**	1.16E-02	2.26E-02	4.11E-02	5.55E-03	**2.29E-04**
T_{40}	2.35E+01	1.91E+01	2.32E+01	1.40E+01	**5.25E+00**	1.11E-02	2.20E-02	4.47E-02	5.63E-03	**3.43E-04**
T_{41}	2.35E+01	2.02E+01	2.44E+01	1.26E+01	**6.90E+00**	1.22E-02	2.32E-02	4.49E-02	6.57E-03	**2.67E-04**
T_{42}	2.19E+01	1.96E+01	2.32E+01	1.47E+01	**4.19E+00**	1.25E-02	2.33E-02	4.50E-02	6.06E-03	**2.65E-04**
T_{43}	2.50E+01	2.23E+01	2.66E+01	1.45E+01	**4.31E+00**	1.24E-02	2.34E-02	4.40E-02	6.30E-03	**2.12E-04**
T_{44}	2.27E+01	1.78E+01	2.55E+01	1.30E+01	**5.10E+00**	1.21E-02	2.23E-02	4.52E-02	6.40E-03	**2.91E-04**
T_{45}	2.07E+01	1.95E+01	2.51E+01	1.66E+01	**5.83E+00**	1.22E-02	2.23E-02	4.42E-02	4.99E-03	**2.58E-04**
T_{46}	2.17E+01	2.01E+01	2.22E+01	1.42E+01	**5.42E+00**	1.27E-02	2.25E-02	4.72E-02	5.89E-03	**2.94E-04**
T_{47}	2.39E+01	1.98E+01	2.56E+01	1.48E+01	**5.88E+00**	1.20E-02	2.28E-02	4.62E-02	6.10E-03	**2.75E-04**
T_{48}	2.12E+01	2.03E+01	2.32E+01	1.31E+01	**5.42E+00**	1.18E-02	2.32E-02	4.41E-02	6.10E-03	**2.94E-04**
T_{49}	1.93E+01	1.99E+01	2.52E+01	1.49E+01	**4.56E+00**	1.16E-02	2.26E-02	4.40E-02	5.53E-03	**2.47E-04**
T_{50}	2.14E+01	1.89E+01	2.56E+01	1.35E+01	**4.56E+00**	1.25E-02	2.33E-02	4.34E-02	5.54E-03	**2.19E-04**

TABLE S18
AVERAGED IGD VALUE OBTAINED BY NSGA-II, MOMFEA, EBS, MATEA AND EMATO-MKT OF TASK_1 TO TASK_{50} ON WCCI20-MOMATP4 AND WCCI20-MOMATP5 PROBLEMS AFTER 30 INDEPENDENT RUNS, WHERE THE BOLD IS THE BEST RESULT OF ALL ALGORITHMS.

	WCCI20-MOMATP4					WCCI20-MOMATP5				
task	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT
T_1	1.29E-01	2.18E-01	3.74E+02	3.88E-02	**1.66E-04**	1.64E+01	1.71E+01	1.14E+02	2.06E+01	**6.05E+00**
T_2	9.22E+01	2.02E+02	1.23E+06	3.44E+01	**3.34E+00**	9.71E-03	2.33E-02	1.44E-01	6.31E-03	**2.49E-04**
T_3	6.42E-01	1.84E-01	5.49E-01	1.26E-01	**2.42E-03**	1.57E+00	1.30E+00	1.51E+00	1.40E+00	**8.13E-01**
T_4	1.24E-01	2.48E-01	3.88E+02	4.09E-02	**1.66E-04**	2.02E+01	1.64E+01	1.02E+02	1.84E+01	**4.72E+00**
T_5	3.43E+01	8.27E+01	1.93E+06	1.14E+01	**9.41E+00**	1.04E-02	2.06E-02	1.60E-01	5.75E-03	**3.26E-04**
T_6	6.39E-01	1.03E-01	5.25E-01	1.36E-01	**1.56E-03**	1.56E+00	1.18E+00	1.52E+00	1.51E+00	**6.39E-01**
T_7	1.25E-01	1.76E-01	4.27E+02	4.35E-02	**1.67E-04**	1.92E+01	2.08E+01	1.10E+02	1.75E+01	**6.57E+00**
T_8	4.29E+01	3.03E+01	1.23E+06	2.49E+01	**2.72E+00**	9.91E-03	2.25E-02	1.37E-01	5.65E-03	**3.05E-04**
T_9	6.41E-01	1.91E-01	5.57E-01	1.24E-01	**1.92E-04**	1.69E+00	1.01E+00	1.37E+00	1.50E+00	**6.00E-01**
T_{10}	1.49E-01	3.40E-01	3.90E+02	4.07E-02	**1.67E-04**	1.85E+01	1.66E+01	1.28E+02	2.35E+01	**9.85E+00**
T_{11}	3.01E+01	3.63E+01	1.76E+06	**1.15E+01**	2.24E+01	1.04E-02	2.42E-02	1.27E-01	6.11E-03	**2.38E-04**
T_{12}	6.42E-01	1.17E-01	5.67E-01	1.18E-01	**1.49E-02**	1.60E+00	1.12E+00	1.39E+00	1.41E+00	**5.24E-01**
T_{13}	1.08E-01	3.04E-01	3.49E+02	4.28E-02	**1.66E-04**	1.74E+01	2.07E+01	1.14E+02	2.03E+01	**6.23E+00**
T_{14}	4.84E+01	6.14E+01	2.03E+06	2.93E+01	**1.07E+01**	9.99E-03	2.46E-02	1.43E-01	6.19E-03	**3.55E-04**
T_{15}	6.40E-01	1.19E-01	5.63E-01	2.89E-01	**6.94E-03**	1.62E+00	1.15E+00	1.41E+00	1.25E+00	**4.95E-01**
T_{16}	1.02E-01	3.08E-01	3.85E+02	3.78E-02	**1.67E-04**	1.95E+01	1.63E+01	8.49E+01	2.24E+01	**6.14E+00**
T_{17}	6.03E+01	4.64E+01	1.70E+06	1.48E+01	**3.48E+00**	1.02E-02	2.23E-02	1.44E-01	5.92E-03	**4.06E-04**
T_{18}	6.43E-01	1.98E-01	5.83E-01	4.44E-01	**2.59E-04**	1.64E+00	1.17E+00	1.38E+00	1.49E+00	**7.31E-01**
T_{19}	1.14E-01	2.91E-01	4.01E+02	4.33E-02	**1.68E-04**	2.05E+01	1.92E+01	1.09E+02	1.66E+01	**4.36E+00**
T_{20}	1.10E+02	3.80E+01	8.67E+05	1.07E+01	**3.55E+00**	8.85E-03	2.03E-02	1.10E-01	4.88E-03	**3.01E-04**
T_{21}	6.42E-01	1.20E-01	5.70E-01	1.75E-01	**3.80E-04**	1.54E+00	1.35E+00	1.43E+00	1.54E+00	**6.35E-01**
T_{22}	1.30E-01	2.69E-01	4.80E+02	4.68E-02	**1.66E-04**	1.87E+01	1.73E+01	1.09E+02	1.68E+01	**6.28E+00**
T_{23}	3.24E+02	6.71E+01	1.66E+06	**2.41E+01**	5.94E+01	1.11E-02	2.44E-02	1.32E-01	4.60E-03	**2.95E-04**
T_{24}	6.41E-01	1.32E-01	5.72E-01	2.08E-01	**4.05E-03**	1.69E+00	1.09E+00	1.36E+00	1.35E+00	**7.92E-01**
T_{25}	1.01E-01	2.20E-01	3.59E+02	4.80E-02	**1.66E-04**	1.69E+01	2.18E+01	1.26E+02	2.15E+01	**7.41E+00**
T_{26}	2.47E+02	4.63E+01	1.15E+06	7.88E+00	**4.07E+00**	9.29E-03	2.14E-02	1.29E-01	5.87E-03	**2.32E-04**
T_{27}	6.42E-01	3.43E-01	5.86E-01	1.91E-01	**5.24E-03**	1.78E+00	1.11E+00	1.37E+00	1.63E+00	**7.30E-01**
T_{28}	1.23E-01	4.67E-01	4.34E+02	4.47E-02	**1.63E-04**	1.68E+01	1.44E+01	1.25E+02	2.03E+01	**4.28E+00**
T_{29}	6.17E+01	8.30E+01	1.81E+06	3.90E+01	**2.48E+01**	1.06E-02	2.44E-02	1.70E-01	5.53E-03	**3.60E-04**
T_{30}	6.42E-01	1.13E-01	5.75E-01	1.14E-01	**5.16E-04**	1.67E+00	1.20E+00	1.41E+00	1.22E+00	**6.25E-01**
T_{31}	1.10E-01	2.30E-01	4.20E+02	4.06E-02	**1.67E-04**	2.12E+01	1.57E+01	1.26E+02	2.37E+01	**4.98E+00**
T_{32}	5.24E+01	1.26E+02	1.38E+06	3.07E+01	**5.76E+00**	1.05E-02	2.18E-02	1.37E-01	5.52E-03	**2.46E-04**
T_{33}	6.42E-01	2.72E-01	5.71E-01	2.02E-01	**7.97E-03**	1.72E+00	1.15E+00	1.47E+00	1.46E+00	**6.76E-01**
T_{34}	1.28E-01	2.00E-01	3.47E+02	4.22E-02	**1.65E-04**	2.06E+01	1.84E+01	1.16E+02	2.06E+01	**5.29E+00**
T_{35}	2.10E+01	6.48E+01	1.25E+06	1.13E+01	**4.35E+00**	8.56E-03	2.23E-02	1.64E-01	6.01E-03	**3.07E-04**
T_{36}	6.42E-01	2.62E-01	5.61E-01	1.30E-01	**5.90E-03**	1.63E+00	1.13E+00	1.25E+00	1.36E+00	**5.72E-01**
T_{37}	1.12E-01	2.74E-01	4.33E+02	3.68E-02	**1.68E-04**	1.77E+01	1.95E+01	1.14E+02	2.16E+01	**4.78E+00**
T_{38}	5.08E+01	9.39E+01	1.94E+06	2.78E+01	**2.80E+00**	1.03E-02	2.15E-02	1.20E-01	5.43E-03	**2.38E-04**
T_{39}	6.40E-01	1.99E-01	5.72E-01	1.22E-01	**5.13E-04**	1.56E+00	1.07E+00	1.41E+00	1.35E+00	**5.75E-01**
T_{40}	1.24E-01	1.68E-01	3.66E+02	4.00E-02	**1.68E-04**	1.48E+01	1.68E+01	9.66E+01	2.26E+01	**5.20E+00**
T_{41}	1.20E+02	4.21E+01	1.33E+06	1.23E+01	**1.02E+01**	1.07E-02	2.31E-02	1.59E-01	5.40E-03	**2.82E-04**
T_{42}	6.42E-01	1.96E-01	5.59E-01	2.90E-01	**1.00E-02**	1.59E+00	1.21E+00	1.38E+00	1.32E+00	**6.01E-01**
T_{43}	1.15E-01	3.46E-01	2.69E+02	4.24E-02	**1.67E-04**	1.93E+01	1.64E+01	1.11E+02	2.44E+01	**4.92E+00**
T_{44}	3.88E+01	8.98E+01	1.70E+06	**1.09E+01**	3.39E+01	9.37E-03	2.37E-02	1.31E-01	5.51E-03	**3.97E-04**
T_{45}	6.42E-01	1.98E-01	5.53E-01	1.16E-01	**4.97E-03**	1.51E+00	1.08E+00	1.43E+00	1.28E+00	**4.28E-01**
T_{46}	1.24E-01	2.56E-01	3.54E+02	3.80E-02	**1.65E-04**	1.83E+01	1.67E+01	1.01E+02	2.04E+01	**6.54E+00**
T_{47}	1.93E+02	9.68E+01	1.73E+06	8.54E+00	**5.77E+00**	8.45E-03	2.23E-02	1.40E-01	5.77E-03	**3.01E-04**
T_{48}	6.41E-01	3.45E-01	5.64E-01	2.18E-01	**5.56E-03**	1.58E+00	1.14E+00	1.38E+00	1.34E+00	**6.81E-01**
T_{49}	1.30E-01	2.69E-01	3.88E+02	3.84E-02	**1.66E-04**	1.56E+01	1.80E+01	1.25E+02	2.01E+01	**4.52E+00**
T_{50}	8.54E+01	5.26E+01	1.23E+06	1.15E+01	**3.04E+00**	1.03E-02	2.31E-02	1.42E-01	5.24E-03	**4.15E-04**

TABLE S19
AVERAGED IGD VALUE OBTAINED BY NSGA-II, MOMFEA, EBS, MATEA AND EMATO-MKT OF TASK_1 TO TASK_{50} ON WCCI20-MOMATP6 AND WCCI20-MOMATP7 PROBLEMS AFTER 30 INDEPENDENT RUNS, WHERE THE BOLD IS THE BEST RESULT OF ALL ALGORITHMS.

	WCCI20-MOMATP6					WCCI20-MOMATP7				
task	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT
T_1	9.75E+01	6.19E+01	6.15E+05	1.06E+01	**3.00E+00**	1.47E-01	2.82E-01	4.47E+02	4.27E-02	**1.68E-04**
T_2	1.25E-02	2.15E-02	1.19E-01	5.71E-03	**2.78E-04**	6.41E-01	1.88E-01	5.78E-01	1.20E-01	**5.36E-03**
T_3	1.51E+00	1.17E+00	1.31E+00	1.29E+00	**8.50E-01**	1.67E+01	1.65E+01	9.40E+01	1.65E+01	**5.63E+00**
T_4	4.27E+01	3.70E+01	1.26E+06	1.72E+01	**7.19E+00**	1.28E-01	2.83E-01	3.83E+02	4.60E-02	**1.69E-04**
T_5	1.10E-02	2.45E-02	1.40E-01	6.36E-03	**3.10E-04**	6.41E-01	1.97E-01	5.79E-01	2.68E-01	**6.43E-04**
T_6	1.70E+00	1.27E+00	1.41E+00	1.42E+00	**6.33E-01**	1.65E+01	1.99E+01	1.14E+02	2.22E+01	**5.69E+00**
T_7	5.17E+01	3.89E+01	1.72E+06	1.48E+01	**3.06E+00**	1.12E-01	2.87E-01	3.11E+02	4.79E-02	**1.65E-04**
T_8	1.02E-02	2.29E-02	1.55E-01	6.16E-03	**3.58E-04**	6.40E-01	1.91E-01	5.67E-01	2.99E-01	**6.12E-03**
T_9	1.51E+00	1.15E+00	1.26E+00	1.20E+00	**4.10E-01**	1.98E+01	1.45E+01	1.15E+02	2.12E+01	**4.52E+00**
T_{10}	2.17E+01	6.39E+01	1.77E+06	1.26E+01	**1.10E+01**	1.45E-01	2.35E-01	3.71E+02	4.08E-02	**1.66E-04**
T_{11}	1.25E-02	2.18E-02	1.31E-01	6.07E-03	**3.46E-04**	6.41E-01	2.74E-01	5.77E-01	1.99E-01	**5.18E-03**
T_{12}	1.67E+00	1.16E+00	1.35E+00	1.35E+00	**5.32E-01**	1.75E+01	1.78E+01	1.21E+02	2.22E+01	**4.98E+00**
T_{13}	2.61E+01	6.50E+01	9.15E+05	1.36E+01	**3.49E+00**	1.11E-01	2.90E-01	2.84E+02	4.16E-02	**1.67E-04**
T_{14}	9.04E-03	2.14E-02	1.29E-01	5.69E-03	**3.84E-04**	6.41E-01	2.66E-01	5.86E-01	2.19E-01	**9.86E-04**
T_{15}	1.62E+00	1.14E+00	1.34E+00	1.16E+00	**6.40E-01**	2.10E+01	1.89E+01	1.04E+02	2.13E+01	**5.73E+00**
T_{16}	5.21E+01	6.12E+01	1.29E+06	1.05E+01	**4.40E+00**	1.11E-01	3.14E-01	4.13E+02	3.79E-02	**1.67E-04**
T_{17}	9.89E-03	2.47E-02	1.49E-01	5.69E-03	**2.38E-04**	6.42E-01	1.17E-01	5.63E-01	1.77E-01	**7.12E-04**
T_{18}	1.55E+00	1.29E+00	1.47E+00	1.42E+00	**7.69E-01**	1.96E+01	1.59E+01	9.22E+01	2.42E+01	**4.32E+00**
T_{19}	9.12E+01	9.45E+01	2.27E+06	1.02E+01	**4.18E+00**	1.19E-01	2.41E-01	3.93E+02	4.64E-02	**1.64E-04**
T_{20}	9.21E-03	2.14E-02	1.32E-01	5.63E-03	**2.66E-04**	6.40E-01	1.14E-01	5.70E-01	2.89E-01	**2.08E-04**
T_{21}	1.59E+00	1.31E+00	1.43E+00	1.49E+00	**6.25E-01**	1.68E+01	1.84E+01	1.07E+02	2.04E+01	**6.64E+00**
T_{22}	1.66E+02	1.02E+02	1.43E+06	9.25E+00	**3.26E+00**	1.38E-01	2.42E-01	3.61E+02	3.89E-02	**1.64E-04**
T_{23}	1.01E-02	2.30E-02	1.50E-01	6.15E-03	**3.72E-04**	6.42E-01	2.62E-01	5.75E-01	1.08E-01	**3.94E-03**
T_{24}	1.66E+00	1.12E+00	1.31E+00	1.46E+00	**5.42E-01**	1.79E+01	1.81E+01	1.17E+02	1.89E+01	**4.28E+00**
T_{25}	1.06E+02	7.39E+01	2.42E+06	**2.46E+01**	3.41E+01	1.23E-01	2.94E-01	3.99E+02	4.51E-02	**1.67E-04**
T_{26}	1.03E-02	2.13E-02	1.34E-01	5.80E-03	**2.76E-04**	6.39E-01	3.35E-01	5.82E-01	1.89E-01	**1.33E-03**
T_{27}	1.66E+00	1.35E+00	1.47E+00	1.46E+00	**6.46E-01**	1.79E+01	1.75E+01	1.25E+02	2.27E+01	**5.82E+00**
T_{28}	1.62E+02	2.85E+01	2.25E+06	8.23E+00	**3.14E+00**	1.08E-01	2.57E-01	3.87E+02	4.08E-02	**1.69E-04**
T_{29}	8.98E-03	2.46E-02	1.30E-01	5.64E-03	**3.27E-04**	6.41E-01	1.95E-01	5.72E-01	3.00E-01	**7.94E-04**
T_{30}	1.61E+00	1.17E+00	1.34E+00	1.48E+00	**5.26E-01**	1.82E+01	1.55E+01	9.95E+01	2.07E+01	**5.53E+00**
T_{31}	4.13E+01	3.38E+01	2.28E+06	2.34E+01	**8.12E+00**	1.05E-01	2.42E-01	4.21E+02	4.31E-02	**1.77E-04**
T_{32}	1.01E-02	2.17E-02	1.35E-01	6.58E-03	**3.49E-04**	6.41E-01	2.69E-01	5.69E-01	1.26E-01	**3.33E-04**
T_{33}	1.65E+00	1.19E+00	1.43E+00	1.21E+00	**5.97E-01**	1.75E+01	1.52E+01	1.28E+02	1.88E+01	**5.06E+00**
T_{34}	4.33E+01	6.45E+01	8.28E+05	1.19E+01	**2.39E+00**	1.19E-01	2.25E-01	3.75E+02	4.76E-02	**1.69E-04**
T_{35}	9.14E-03	2.25E-02	1.56E-01	9.12E-03	**4.09E-04**	6.41E-01	1.15E-01	5.64E-01	2.27E-01	**6.74E-04**
T_{36}	1.72E+00	1.10E+00	1.42E+00	1.40E+00	**5.37E-01**	1.87E+01	1.66E+01	1.14E+02	1.90E+01	**4.88E+00**
T_{37}	1.94E+01	5.83E+01	1.49E+06	1.19E+01	**4.59E+00**	1.43E-01	2.22E-01	3.98E+02	4.55E-02	**1.67E-04**
T_{38}	1.36E-02	2.33E-02	1.39E-01	5.99E-03	**2.59E-04**	6.40E-01	3.40E-01	5.79E-01	2.19E-01	**3.97E-03**
T_{39}	1.70E+00	1.16E+00	1.37E+00	1.11E+00	**6.33E-01**	1.73E+01	1.91E+01	1.43E+02	2.29E+01	**5.03E+00**
T_{40}	2.07E+02	4.40E+01	1.81E+06	1.91E+01	**2.94E+00**	1.17E-01	3.07E-01	4.37E+02	4.68E-02	**1.65E-04**
T_{41}	9.95E-03	2.27E-02	1.19E-01	5.92E-03	**3.00E-04**	6.40E-01	1.26E-01	5.51E-01	1.85E-01	**4.49E-04**
T_{42}	1.60E+00	1.20E+00	1.41E+00	1.39E+00	**5.75E-01**	1.98E+01	1.67E+01	1.22E+02	2.13E+01	**6.35E+00**
T_{43}	6.47E+01	1.56E+01	1.20E+06	1.20E+01	**4.29E+00**	1.35E-01	2.57E-01	4.27E+02	4.21E-02	**1.67E-04**
T_{44}	1.11E-02	2.13E-02	1.40E-01	5.91E-03	**3.19E-04**	6.40E-01	1.90E-01	5.75E-01	3.75E-01	**5.26E-03**
T_{45}	1.74E+00	1.29E+00	1.41E+00	1.43E+00	**5.94E-01**	1.89E+01	1.66E+01	1.08E+02	2.36E+01	**5.56E+00**
T_{46}	9.40E+01	6.58E+01	1.71E+06	2.03E+01	**1.90E+00**	1.11E-01	2.57E-01	3.99E+02	4.56E-02	**1.65E-04**
T_{47}	1.19E-02	2.29E-02	1.44E-01	5.64E-03	**2.56E-04**	6.42E-01	1.20E-01	5.46E-01	1.22E-01	**1.41E-02**
T_{48}	1.60E+00	1.28E+00	1.44E+00	1.39E+00	**8.19E-01**	1.72E+01	1.54E+01	9.28E+01	2.27E+01	**6.21E+00**
T_{49}	4.44E+01	8.16E+01	1.03E+06	8.63E+00	**3.85E+00**	9.95E-02	2.44E-01	4.01E+02	4.54E-02	**1.66E-04**
T_{50}	1.12E-02	2.23E-02	1.57E-01	6.56E-03	**2.75E-04**	6.41E-01	1.23E-01	5.62E-01	1.36E-01	**4.22E-03**

TABLE S20
AVERAGED IGD VALUE OBTAINED BY NSGA-II, MOMFEA, EBS, MATEA AND EMATO-MKT OF TASK_1 TO TASK_{50} ON WCCI20-MOMATP8 AND WCCI20-MOMATP9 PROBLEMS AFTER 30 INDEPENDENT RUNS, WHERE THE BOLD IS THE BEST RESULT OF ALL ALGORITHMS.

	WCCI20-MOMATP8					WCCI20-MOMATP9				
task	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT	NSGA-II	MOMFEA	EBS	MaTEA	EMaTO-MKT
T_1	1.33E-01	3.37E-01	1.42E+03	4.45E-02	**1.65E-04**	**5.11E+01**	2.01E+02	2.72E+07	1.41E+02	5.38E+01
T_2	9.80E+01	2.33E+02	2.57E+07	**8.20E+01**	1.00E+02	5.40E-01	5.29E-01	5.54E-01	5.17E-01	**2.03E-04**
T_3	5.29E-01	5.28E-01	5.54E-01	4.21E-01	**1.85E-04**	1.99E+01	1.41E+01	4.12E+02	2.31E+01	**6.13E+00**
T_4	2.30E+01	1.73E+01	3.25E+02	2.40E+01	**6.40E+00**	1.10E-02	1.85E-02	3.34E-01	8.12E-03	**2.26E-04**
T_5	1.34E+00	1.48E+00	1.90E+00	1.42E+00	**8.78E-01**	1.44E+00	1.60E+00	1.94E+00	1.38E+00	**8.18E-01**
T_6	1.23E-01	3.65E-01	1.35E+03	4.80E-02	**1.67E-04**	5.52E+02	3.34E+02	1.73E+07	4.09E+01	**1.46E+01**
T_7	7.31E+01	1.17E+02	3.07E+07	4.36E+01	**2.43E+01**	5.27E-01	5.29E-01	5.53E-01	5.11E-01	**3.02E-04**
T_8	5.35E-01	5.29E-01	5.53E-01	4.84E-01	**3.31E-04**	2.31E+01	1.42E+01	3.53E+02	2.30E+01	**5.34E+00**
T_9	2.06E+01	1.59E+01	3.21E+02	2.62E+01	**5.43E+00**	1.07E-02	1.89E-02	3.60E-01	8.78E-03	**2.03E-04**
T_{10}	1.51E+00	1.52E+00	1.98E+00	1.42E+00	**9.70E-01**	1.44E+00	1.46E+00	1.86E+00	1.41E+00	**9.19E-01**
T_{11}	1.58E-01	3.71E-01	1.51E+03	6.41E-02	**1.64E-04**	6.37E+01	8.16E+01	2.70E+07	7.16E+01	**5.35E+01**
T_{12}	1.83E+02	6.95E+01	2.92E+07	**2.40E+01**	3.66E+01	5.29E-01	5.29E-01	5.55E-01	5.02E-01	**2.56E-03**
T_{13}	5.35E-01	5.30E-01	5.55E-01	5.01E-01	**5.56E-03**	1.88E+01	1.65E+01	3.11E+02	2.55E+01	**4.65E+00**
T_{14}	2.20E+01	1.53E+01	2.86E+02	2.28E+01	**8.37E+00**	1.15E-02	1.88E-02	3.78E-01	8.34E-03	**2.02E-04**
T_{15}	1.49E+00	1.45E+00	1.91E+00	1.44E+00	**9.88E-01**	1.32E+00	1.48E+00	1.93E+00	1.39E+00	**1.01E+00**
T_{16}	1.20E-01	2.97E-01	1.30E+03	4.28E-02	**1.67E-04**	1.62E+02	2.46E+02	2.35E+07	4.07E+01	**1.01E+01**
T_{17}	5.02E+01	7.58E+01	2.53E+07	1.00E+02	**3.89E+01**	5.28E-01	5.29E-01	5.53E-01	5.08E-01	**2.57E-04**
T_{18}	5.33E-01	5.30E-01	5.53E-01	5.01E-01	**7.74E-04**	2.12E+01	1.45E+01	4.08E+02	2.42E+01	**5.13E+00**
T_{19}	1.84E+01	1.72E+01	3.71E+02	2.16E+01	**7.66E+00**	1.14E-02	2.02E-02	3.68E-01	9.45E-03	**2.30E-04**
T_{20}	1.42E+00	1.53E+00	2.01E+00	1.38E+00	**9.94E-01**	1.50E+00	1.52E+00	1.88E+00	1.36E+00	**9.35E-01**
T_{21}	1.67E-01	2.57E-01	1.49E+03	5.07E-02	**1.64E-04**	1.16E+02	7.55E+01	2.59E+07	**2.87E+01**	5.93E+01
T_{22}	8.95E+01	9.79E+01	2.03E+07	6.87E+01	**3.43E+01**	5.32E-01	5.27E-01	5.53E-01	4.98E-01	**2.63E-03**
T_{23}	5.24E-01	5.29E-01	5.56E-01	4.92E-01	**2.00E-04**	2.56E+01	1.35E+01	3.45E+02	2.50E+01	**6.22E+00**
T_{24}	2.42E+01	1.77E+01	4.18E+02	2.86E+01	**6.80E+00**	1.12E-02	1.82E-02	3.39E-01	8.36E-03	**2.27E-04**
T_{25}	1.39E+00	1.56E+00	1.90E+00	1.37E+00	**8.81E-01**	1.33E+00	1.38E+00	1.56E+00	1.45E+00	**7.41E-01**
T_{26}	1.21E-01	2.98E-01	1.30E+03	5.23E-02	**1.65E-04**	3.12E+02	1.52E+02	1.22E+07	8.43E+01	**1.11E+01**
T_{27}	2.99E+02	2.44E+02	2.00E+07	1.05E+02	**1.86E+00**	5.28E-01	5.28E-01	5.52E-01	4.95E-01	**2.53E-04**
T_{28}	5.31E-01	5.29E-01	5.55E-01	5.03E-01	**3.01E-03**	2.64E+01	1.49E+01	4.56E+02	2.58E+01	**5.74E+00**
T_{29}	2.10E+01	1.72E+01	3.39E+02	2.47E+01	**7.89E+00**	1.31E-02	1.96E-02	4.54E-01	9.75E-03	**2.07E-04**
T_{30}	1.44E+00	1.46E+00	1.83E+00	1.40E+00	**8.84E-01**	1.34E+00	1.44E+00	1.91E+00	1.43E+00	**9.65E-01**
T_{31}	1.74E-01	2.69E-01	1.68E+03	4.86E-02	**1.65E-04**	1.07E+02	9.86E+01	1.50E+07	3.33E+01	**2.96E+01**
T_{32}	4.87E+02	9.56E+01	1.00E+07	9.43E+01	**2.33E+00**	5.25E-01	5.28E-01	5.52E-01	4.43E-01	**4.85E-04**
T_{33}	5.39E-01	5.29E-01	5.54E-01	4.99E-01	**4.02E-04**	2.51E+01	1.73E+01	3.53E+02	1.85E+01	**5.60E+00**
T_{34}	2.29E+01	1.71E+01	4.79E+02	2.78E+01	**6.32E+00**	1.05E-02	1.88E-02	2.82E-01	8.66E-03	**2.02E-04**
T_{35}	1.37E+00	1.40E+00	1.99E+00	1.45E+00	**8.40E-01**	1.42E+00	1.41E+00	1.78E+00	1.26E+00	**9.28E-01**
T_{36}	1.13E-01	2.20E-01	7.72E+02	4.50E-02	**1.64E-04**	5.94E+01	9.33E+01	2.56E+07	4.70E+01	**3.73E+01**
T_{37}	9.95E+01	5.63E+01	3.22E+07	4.35E+01	**4.98E+00**	5.25E-01	5.30E-01	5.54E-01	4.99E-01	**2.89E-04**
T_{38}	5.26E-01	5.28E-01	5.53E-01	4.92E-01	**3.36E-04**	2.03E+01	1.88E+01	4.20E+02	2.26E+01	**5.30E+00**
T_{39}	2.15E+01	1.98E+01	3.33E+02	2.28E+01	**5.86E+00**	1.09E-02	1.96E-02	4.07E-01	1.04E-02	**2.18E-04**
T_{40}	1.39E+00	1.47E+00	1.91E+00	1.43E+00	**1.02E+00**	1.40E+00	1.45E+00	1.64E+00	1.43E+00	**9.05E-01**
T_{41}	1.60E-01	2.77E-01	1.26E+03	5.24E-02	**1.66E-04**	6.49E+01	4.55E+02	1.38E+07	8.63E+01	**1.97E+01**
T_{42}	8.50E+01	5.35E+01	2.03E+07	2.62E+01	**2.32E+01**	5.26E-01	5.28E-01	5.52E-01	5.03E-01	**3.06E-04**
T_{43}	5.29E-01	5.30E-01	5.55E-01	5.20E-01	**2.41E-04**	2.42E+01	1.79E+01	4.04E+02	2.63E+01	**5.02E+00**
T_{44}	2.37E+01	1.46E+01	3.76E+02	2.86E+01	**6.32E+00**	1.10E-02	1.79E-02	2.81E-01	8.29E-03	**2.08E-04**
T_{45}	1.39E+00	1.44E+00	1.87E+00	1.45E+00	**1.04E+00**	1.38E+00	1.46E+00	1.92E+00	1.37E+00	**9.13E-01**
T_{46}	1.54E-01	4.29E-01	1.60E+03	4.91E-02	**1.64E-04**	5.85E+02	3.86E+02	2.69E+07	1.72E+02	**3.38E+00**
T_{47}	9.88E+01	5.82E+01	2.02E+07	1.93E+01	**2.91E+00**	5.30E-01	5.31E-01	5.55E-01	5.00E-01	**9.08E-04**
T_{48}	5.35E-01	5.31E-01	5.54E-01	5.11E-01	**8.03E-04**	2.44E+01	1.56E+01	4.50E+02	2.66E+01	**6.31E+00**
T_{49}	2.08E+01	1.61E+01	2.68E+02	2.03E+01	**5.70E+00**	1.20E-02	1.81E-02	3.90E-01	9.54E-03	**2.03E-04**
T_{50}	1.47E+00	1.47E+00	1.83E+00	1.37E+00	**9.03E-01**	1.41E+00	1.40E+00	1.85E+00	1.44E+00	**9.63E-01**

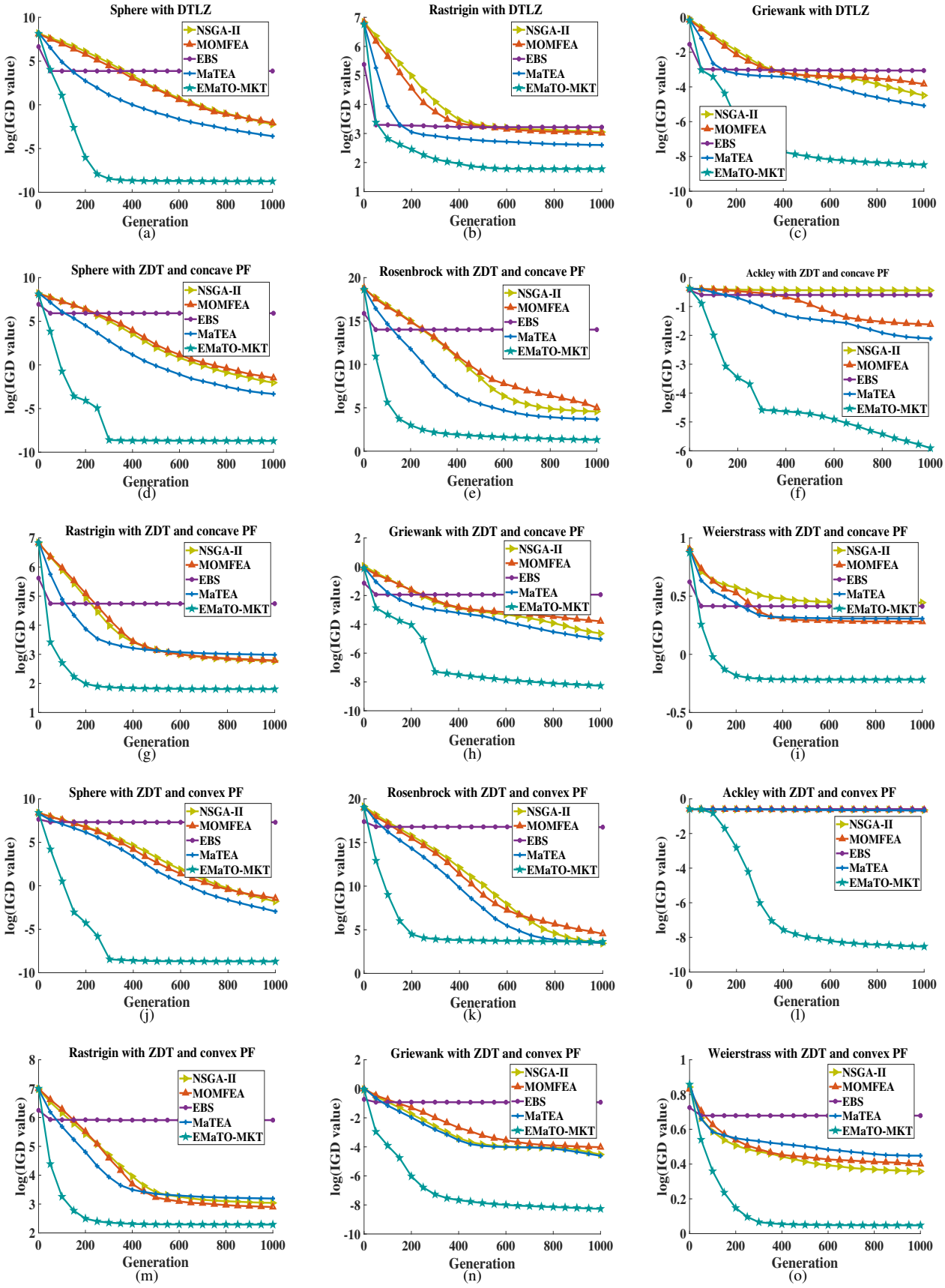

Fig. S4. The log(IGD) numerical curve of NSGA-II, MOMFEA, EBS, MaTEA and EMaTO-MKT running 30 times independently on 15 function combination in WCCI20-MOMATP test suite.