ConstrainedProblemsStudy

January 26, 2020

1 Tables

Table 1: HV. Mean and standard deviation

	NSGAII	NSGAIISR	NSGAIIATM
ConstrEx	$7.75e-01_{2.9e-04}$	$6.48e-01_{2.7e-02}$	$5.15e-01_{1.1e-02}$
Tanaka	$3.08e-01_{4.2e-04}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$
Srinivas	$5.38e-01_{4.0e-04}$	$0.00e+00_{0.0e+00}$	$2.71e-01_{1.8e-01}$
Binh2	$7.24e-01_{6.4e-04}$	$0.00e+00_{0.0e+00}$	$7.24e-01_{6.3e-04}$
Osyczka2	$7.31e-01_{4.0e-02}$	$0.00e+00_{0.0e+00}$	$3.81e-03_{3.8e-02}$
Golinski	$9.69e-01_{2.0e-04}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$

Table 2: HV. Median and IQR

	NSGAII	NSGAIISR	NSGAIIATM
ConstrEx	$7.75e-01_{4.1e-04}$	$6.50e-01_{3.6e-02}$	$5.18e-01_{1.7e-02}$
Tanaka	$3.08e-01_{5.7e-04}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$
Srinivas	$5.38e-01_{4.2e-04}$	$0.00e+00_{0.0e+00}$	$3.02e-01_{3.3e-01}$
Binh2	$7.24e-01_{7.3e-04}$	$0.00e+00_{0.0e+00}$	$7.24e-01_{8.9e-04}$
Osyczka2	$7.42e-01_{3.1e-02}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$
Golinski	$9.69e-01_{1.8e-04}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$

Table 3: EPSILON. Mean and standard deviation

	NSGAII	NSGAIISR	NSGAIIATM
ConstrEx	$1.58e-02_{3.3e-03}$	$3.23e-01_{1.3e-01}$	$2.87e-01_{7.0e-03}$
Tanaka	$8.58e-03_{1.5e-03}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$
Srinivas	$3.42e+00_{7.3e-01}$	$0.00e+00_{0.0e+00}$	$7.64e+01_{6.6e+01}$
Binh2	$1.01e+00_{1.8e-01}$	$0.00e+00_{0.0e+00}$	$1.05e+00_{2.2e-01}$
Osyczka2	$1.81e+01_{1.6e+01}$	$0.00e+00_{0.0e+00}$	$1.12e+00_{1.1e+01}$
Golinski	$8.95e+00_{2.3e+00}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$

Table 4: EPSILON. Median and IQR

	NSGAII	NSGAIISR	NSGAIIATM
ConstrEx	$1.48e-02_{3.8e-03}$	$2.89e-01_{1.6e-01}$	$2.85e-01_{1.1e-02}$
Tanaka	$8.17e-03_{1.5e-03}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$
Srinivas	$3.22e+00_{7.2e-01}$	$0.00e+00_{0.0e+00}$	$5.74e+01_{1.2e+02}$
Binh2	$9.69e-01_{2.2e-01}$	$0.00e+00_{0.0e+00}$	$1.02e+00_{2.6e-01}$
Osyczka2	$1.56e+01_{2.2e+01}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$
Golinski	$8.42e+00_{2.6e+00}$	$0.00e+00_{0.0e+00}$	$0.00e+00_{0.0e+00}$