

WFGCompleteStudy2

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1 Tables

Table 1: HV, Mean and Standard Deviation

| | myNSGAII | mySPEA2 | myIBEA | myGDE3 | mIBEA |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| WFG1 | $5.43e-01_{5.3e-02}$ | $5.21e-01_{5.0e-02}$ | $5.43e-01_{4.6e-02}$ | $5.98e-01_{1.3e-02}$ | $4.68e-01_{5.6e-02}$ |
| WFG2 | $5.52e-01_{2.3e-03}$ | $5.52e-01_{2.2e-03}$ | $5.51e-01_{1.7e-03}$ | $5.57e-01_{1.1e-03}$ | $5.50e-01_{1.6e-03}$ |
| WFG3 | $4.89e-01_{7.0e-04}$ | $4.91e-01_{8.8e-04}$ | $4.93e-01_{7.7e-04}$ | $4.92e-01_{1.4e-03}$ | $4.93e-01_{5.6e-04}$ |
| WFG4 | $2.07e-01_{5.4e-04}$ | $2.09e-01_{3.5e-04}$ | $2.10e-01_{1.0e-04}$ | $2.09e-01_{6.5e-04}$ | $2.10e-01_{1.1e-04}$ |
| WFG5 | $1.78e-01_{2.6e-04}$ | $1.78e-01_{9.2e-05}$ | $1.79e-01_{4.7e-05}$ | $1.77e-01_{5.0e-04}$ | $1.79e-01_{2.0e-04}$ |
| WFG6 | $1.81e-01_{3.1e-03}$ | $1.83e-01_{4.8e-03}$ | $1.84e-01_{3.9e-03}$ | $1.83e-01_{3.1e-03}$ | $1.84e-01_{4.8e-03}$ |
| WFG7 | $2.08e-01_{3.1e-04}$ | $2.09e-01_{2.2e-04}$ | $2.10e-01_{9.1e-05}$ | $2.09e-01_{4.3e-04}$ | $2.10e-01_{1.0e-04}$ |
| WFG8 | $1.74e-01_{8.4e-04}$ | $1.75e-01_{7.5e-04}$ | $1.75e-01_{1.5e-03}$ | $1.76e-01_{7.1e-04}$ | $1.76e-01_{1.1e-03}$ |
| WFG9 | $2.01e-01_{1.4e-02}$ | $1.87e-01_{2.5e-02}$ | $1.83e-01_{2.6e-02}$ | $1.73e-01_{2.5e-02}$ | $1.79e-01_{2.6e-02}$ |

| Table 2: HV. Median and Interquartile Range | | | | | |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| | myNSGAI | mySPEA2 | myIBEA | myGDE3 | mIBEA |
| WFG1 | $5.70e-01_{7.5e-02}$ | $5.28e-01_{9.5e-02}$ | $5.50e-01_{7.5e-02}$ | $6.03e-01_{6.9e-03}$ | $4.70e-01_{8.1e-02}$ |
| WFG2 | $5.51e-01_{4.3e-03}$ | $5.51e-01_{3.3e-03}$ | $5.52e-01_{2.9e-03}$ | $5.57e-01_{1.4e-04}$ | $5.49e-01_{1.3e-03}$ |
| WFG3 | $4.90e-01_{9.3e-04}$ | $4.91e-01_{1.4e-03}$ | $4.93e-01_{8.5e-04}$ | $4.92e-01_{1.4e-03}$ | $4.93e-01_{9.6e-04}$ |
| WFG4 | $2.07e-01_{5.7e-04}$ | $2.09e-01_{4.6e-04}$ | $2.10e-01_{1.2e-04}$ | $2.09e-01_{8.8e-04}$ | $2.10e-01_{1.4e-04}$ |
| WFG5 | $1.78e-01_{3.5e-04}$ | $1.78e-01_{1.1e-04}$ | $1.79e-01_{7.3e-05}$ | $1.77e-01_{3.5e-04}$ | $1.79e-01_{7.4e-05}$ |
| WFG6 | $1.81e-01_{4.7e-03}$ | $1.82e-01_{7.2e-03}$ | $1.83e-01_{5.9e-03}$ | $1.83e-01_{4.8e-03}$ | $1.85e-01_{5.5e-03}$ |
| WFG7 | $2.08e-01_{4.9e-04}$ | $2.09e-01_{3.0e-04}$ | $2.10e-01_{1.5e-04}$ | $2.09e-01_{4.6e-04}$ | $2.10e-01_{1.4e-04}$ |
| WFG8 | $1.74e-01_{1.4e-03}$ | $1.75e-01_{9.3e-04}$ | $1.75e-01_{2.7e-03}$ | $1.76e-01_{1.2e-03}$ | $1.76e-01_{1.3e-03}$ |
| WFG9 | $2.04e-01_{1.6e-03}$ | $2.04e-01_{5.2e-02}$ | $2.04e-01_{5.2e-02}$ | $1.54e-01_{5.2e-02}$ | $1.54e-01_{5.2e-02}$ |