|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2-D** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f1** | 1.8 | 5.7 | 5.7 | 6.2 | 6.2 | 6.2 | 6.2 | 15/15 |
| **ex/3-SGB0.3** | 2.7 (3) | 6.5 (6) | 47 (53) | 162 (60) | 446 (251) | 959 (169) | 1003 (20) | 15/15 |
| **ex/9-SGB0.3** | 2.0 (3) | 3.9 (4) | 58 (53) | 176 (83) | 339 (73) | 940 (206) | 999 (60) | 15/15 |
| **ex/GP1-CMAES** | **1.7** (3) | **2.7** (3) | **5.7** (3)★ | **7.0** (2)★4 | **10** (1.0)★4 | **14** (3)★4 | **20** (3)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f2** | 16 | 19 | 25 | 25 | 26 | 28 | 29 | 15/15 |
| **ex/3-SGB0.3** | 223 (179) | 634 (1154) | 956 (1417) | 1143 (1185) | 1435 (826) | 1.0e4 (7500) | 1.0e4 (1e4) | 0/15 |
| **ex/9-SGB0.3** | 148 (100) | 251 (32) | 437 (1031) | 929 (988) | 1886 (1358) | 1.0e4 (5536) | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | **8.8** (8)★3 | **13** (6)★3 | **12** (3)★4 | **12** (3)★4 | **13** (2)★4 | **15** (0.8)★4 | **17** (2)★4 | 12/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f3** | 15 | 271 | 445 | 446 | 450 | 454 | 464 | 15/15 |
| **ex/3-SGB0.3** | 7.8 (9) | 9.0 (5) | 12 (8) | 14 (4) | 15 (3) | 15 (3) | 18 (3) | 15/15 |
| **ex/9-SGB0.3** | 9.0 (10) | 6.9 (6) | 8.9 (4) | 13 (3) | 14 (0.5) | 14 (0.5) | 18 (2) | 15/15 |
| **ex/GP1-CMAES** | **2.5** (0.9) | **2.9** (5) | **5.3** (7) | **5.4** (5) | **5.4** (2) | **8.2** (11) | **16** (13) | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f4** | 22 | 344 | 459 | 496 | 523 | 544 | 566 | 15/15 |
| **ex/3-SGB0.3** | 12 (9) | 5.9 (3) | 11 (4) | 13 (0.4) | 12 (0.5) | 12 (0.4) | **14** (2) | 15/15 |
| **ex/9-SGB0.3** | 11 (12) | 5.9 (2) | 10 (5) | 12 (0.3) | 12 (0.4) | **12** (0.4) | 15 (2) | 15/15 |
| **ex/GP1-CMAES** | **2.2** (1) | **3.5** (4) | **3.6** (3) | **3.4** (4) | **6.8** (10) | 14 (12) | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f5** | 3.7 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 15/15 |
| **ex/3-SGB0.3** | 5.1 (8) | 186 (106) | 847 (519) | 1090 (192) | 1090 (269) | 1092 (190) | 1092 (290) | 15/15 |
| **ex/9-SGB0.3** | 6.3 (8) | 185 (61) | 590 (287) | 851 (18) | 852 (12) | 852 (19) | 852 (21) | 15/15 |
| **ex/GP1-CMAES** | **2.5** (2) | **6.9** (3)★3 | **9.3** (16)★4 | **9.3** (9)★4 | **9.3** (3)★4 | **9.3** (11)★4 | **9.3** (22)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f6** | 13 | 23 | 41 | 54 | 67 | 95 | 124 | 15/15 |
| **ex/3-SGB0.3** | **2.4** (2) | 16 (15) | 51 (62) | 105 (33) | **102** (15) | **75** (9) | **59** (7) | 15/15 |
| **ex/9-SGB0.3** | 4.1 (2) | 17 (14) | 42 (45) | 81 (27) | 103 (10) | 84 (3) | 66 (2) | 14/15 |
| **ex/GP1-CMAES** | 3.5 (2) | **4.9** (5) | **7.7** (15)★2 | **19** (26)★2 | 112 (110) | ∞ | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f7** | 3.2 | 21 | 60 | 193 | 217 | 217 | 241 | 15/15 |
| **ex/3-SGB0.3** | 4.8 (2) | 4.9 (5) | 15 (20) | 25 (33) | 36 (13) | 36 (38) | 34 (19) | 14/15 |
| **ex/9-SGB0.3** | **2.9** (2) | 4.9 (8) | 27 (27) | 23 (6) | 26 (52) | 26 (35) | 28 (47) | 14/15 |
| **ex/GP1-CMAES** | 4.2 (5) | **2.2** (1) | **1.8** (1)★3 | **1.1** (2)★3 | **1.1** (0.7)★3 | **1.1** (0.7)★3 | **1.4** (0.6)★3 | 8/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f8** | 5.4 | 12 | 37 | 46 | 86 | 94 | 112 | 15/15 |
| **ex/3-SGB0.3** | 8.7 (8) | 17 (14) | 53 (87) | 150 (74) | 116 (82) | 144 (87) | 143 (131) | 12/15 |
| **ex/9-SGB0.3** | **3.7** (7) | 19 (18) | 41 (47) | 92 (47) | 78 (22) | 108 (23) | 98 (57) | 14/15 |
| **ex/GP1-CMAES** | 4.7 (8) | **8.5** (22) | **7.0** (5) | **13** (22)★ | **10** (7)★ | **10** (12)★ | **16** (9)★ | 2/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f9** | 1 | 18 | 30 | 44 | 68 | 81 | 92 | 15/15 |
| **ex/3-SGB0.3** | **1** (0) | 17 (5) | 106 (144) | 181 (94) | 187 (138) | 226 (132) | 263 (299) | 9/15 |
| **ex/9-SGB0.3** | **1** (0) | 23 (18) | 64 (70) | 118 (26) | 99 (23) | 112 (20) | 111 (43) | 15/15 |
| **ex/GP1-CMAES** | 29 (20) | **7.8** (5) | **14** (6) | **17** (20) | **19** (13) | **21** (13) | **26** (38) | 3/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f10** | 30 | 46 | 54 | 61 | 68 | 82 | 98 | 15/15 |
| **ex/3-SGB0.3** | 81 (76) | 413 (435) | 2555 (2628) | ∞ | ∞ | ∞ | ∞*2e4* | 0/15 |
| **ex/9-SGB0.3** | 236 (671) | 586 (579) | 2494 (1955) | 4667 (5258) | ∞ | ∞ | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | **4.6** (2)★3 | **4.6** (2)★4 | **4.7** (2)★4 | **4.6** (2)★4 | **4.5** (2)★4 | **4.7** (2)★4 | **4.8** (3)★4 | 12/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f11** | 35 | 45 | 50 | 62 | 67 | 81 | 97 | 15/15 |
| **ex/3-SGB0.3** | 84 (81) | 276 (293) | 684 (422) | 1368 (1844) | ∞ | ∞ | ∞*2e4* | 0/15 |
| **ex/9-SGB0.3** | 115 (79) | 499 (341) | 1264 (2176) | 4638 (1e4) | 4243 (6083) | ∞ | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | **4.4** (4)★3 | **4.9** (2)★3 | **5.8** (2)★4 | **5.0** (0.9)★4 | **4.9** (0.8)★4 | **4.6** (0.6)★4 | **4.7** (3)★4 | 11/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f12** | 35 | 46 | 75 | 94 | 105 | 153 | 195 | 15/15 |
| **ex/3-SGB0.3** | 65 (62) | 384 (980) | 1101 (2196) | 1430 (904) | 1298 (1717) | 1876 (1278) | 1538 (873) | 0/15 |
| **ex/9-SGB0.3** | 113 (212) | 396 (261) | 1184 (1620) | 3112 (2977) | ∞ | ∞ | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | **6.2** (9)★2 | **7.0** (13)★3 | **6.5** (5)★3 | **7.3** (8)★3 | **11** (5)★3 | **50** (17)★3 | **39** (67)★3 | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f13** | 23 | 35 | 46 | 60 | 71 | 95 | 122 | 15/15 |
| **ex/3-SGB0.3** | 11 (10) | 219 (178) | 767 (1871) | 2285 (2050) | 4144 (3959) | ∞ | ∞*2e4* | 0/15 |
| **ex/9-SGB0.3** | 14 (10) | 156 (50) | 546 (540) | 1521 (2048) | ∞ | ∞ | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | **2.7** (3) | **3.7** (1)★4 | **5.2** (6)★4 | **7.7** (3)★4 | **11** (13)★4 | **19** (34)★4 | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f14** | 1.4 | 7.4 | 16 | 24 | 38 | 67 | 90 | 15/15 |
| **ex/3-SGB0.3** | 1.6 (2) | 2.1 (3) | 32 (28) | 99 (107) | 154 (51) | 1277 (2668) | 3242 (5159) | 1/15 |
| **ex/9-SGB0.3** | **1.2** (1) | 2.4 (4) | 21 (31) | 86 (57) | 147 (71) | 2017 (3039) | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | 1.7 (2) | **1.9** (2) | **2.1** (0.6)★2 | **2.9** (2)★2 | **4.8** (2)★4 | **9.2** (6)★4 | **84** (63)★4 | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f15** | 37 | 291 | 1033 | 1066 | 1113 | 1231 | 1412 | 15/15 |
| **ex/3-SGB0.3** | 3.6 (4) | 16 (7) | 11 (6) | 11 (10) | 11 (18) | 10 (12) | 9.4 (7) | 12/15 |
| **ex/9-SGB0.3** | 3.3 (5) | 15 (3) | 19 (31) | 19 (14) | 18 (10) | 16 (20) | 15 (18) | 9/15 |
| **ex/GP1-CMAES** | **1.3** (2) | **2.8** (4) | **1.6** (2) | **1.6** (2) | **1.6** (0.9) | **1.5** (1) | **1.7** (2) | 3/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f16** | 9.1 | 50 | 174 | 326 | 358 | 409 | 538 | 15/15 |
| **ex/3-SGB0.3** | **2.7** (3) | 9.1 (21) | 12 (17) | 42 (49) | 796 (769) | ∞ | ∞*2e4* | 0/15 |
| **ex/9-SGB0.3** | 4.7 (3) | **3.9** (3) | 13 (18) | 33 (65) | 247 (149) | 699 (415) | **533** (902) | 1/15 |
| **ex/GP1-CMAES** | 3.4 (2) | 6.4 (10) | **8.5** (11) | **6.8** (9) | **6.5** (9) | **5.9** (6) | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f17** | 2.7 | 61 | 133 | 275 | 396 | 1086 | 1657 | 15/15 |
| **ex/3-SGB0.3** | 1.4 (1) | 5.9 (8) | 24 (16) | 154 (115) | 749 (417) | **∞** | ∞*2e4* | 0/15 |
| **ex/9-SGB0.3** | **1.1** (0.8) | 4.3 (7) | 19 (14) | 186 (193) | ∞ | **∞** | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | 3.8 (9) | **4.2** (7) | **5.1** (9) | **5.8** (4) | **18** (30) | **∞** | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f18** | 19 | 134 | 666 | 1249 | 1708 | 2438 | 2858 | 15/15 |
| **ex/3-SGB0.3** | 2.7 (2) | 19 (11) | 49 (37) | 238 (184) | ∞ | **∞** | ∞*2e4* | 0/15 |
| **ex/9-SGB0.3** | **2.4** (3) | 14 (11) | 22 (46) | ∞ | ∞ | **∞** | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | 2.7 (8) | **5.4** (7) | **2.5** (3) | **6.0** (7) | **4.4** (2) | **∞** | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f19** | 1 | 1 | 26 | 216 | 227 | 252 | 276 | 15/15 |
| **ex/3-SGB0.3** | **1** (0) | **1** (0) | 18 (14) | 50 (54) | 55 (35) | 62 (45) | 82 (111) | 9/15 |
| **ex/9-SGB0.3** | **1** (0) | **1** (0) | 27 (49) | 29 (23) | 39 (70) | **61** (122) | **71** (24) | 10/15 |
| **ex/GP1-CMAES** | 5.6 (4) | 34 (34) | **11** (10) | **16** (10) | **16** (12) | ∞ | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f20** | 3.7 | 61 | 365 | 366 | 366 | 370 | 375 | 15/15 |
| **ex/3-SGB0.3** | 3.6 (2) | 15 (14) | 15 (32) | 19 (4) | 21 (1) | 22 (14) | 22 (1) | 14/15 |
| **ex/9-SGB0.3** | 2.5 (2) | 12 (8) | 35 (31) | 41 (31) | 44 (42) | 44 (54) | 44 (40) | 10/15 |
| **ex/GP1-CMAES** | **2.0** (2) | **8.2** (11) | **4.2** (4) | **4.3** (3) | **6.2** (3) | **6.3** (5) | **9.5** (10) | 2/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f21** | 1.7 | 51 | 174 | 276 | 290 | 324 | 330 | 15/15 |
| **ex/3-SGB0.3** | **1.2** (0.8) | **1.3** (0.8) | **1.2** (2) | 2.4 (4) | 3.5 (4) | 11 (8) | 19 (7) | 15/15 |
| **ex/9-SGB0.3** | 1.3 (1) | 1.5 (2) | 1.3 (0.7) | **2.4** (2) | 4.9 (6) | 10 (7) | 17 (4) | 15/15 |
| **ex/GP1-CMAES** | 1.8 (2) | 10 (23) | 3.8 (6) | 3.1 (4) | **3.1** (5) | **2.9** (4) | **4.6** (5) | 4/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f22** | 5.1 | 27 | 168 | 218 | 249 | 289 | 306 | 15/15 |
| **ex/3-SGB0.3** | **1.3** (1) | **2.8** (4) | 2.0 (2) | 5.2 (6) | 11 (12) | 27 (7) | 32 (24) | 14/15 |
| **ex/9-SGB0.3** | **1.3** (1) | 3.4 (4) | **1.4** (1) | **4.8** (6) | 10 (7) | 20 (18) | 28 (54) | 14/15 |
| **ex/GP1-CMAES** | 8.6 (0.7) | 6.0 (5) | 6.8 (8) | 5.3 (12) | **4.7** (3) | **5.6** (3) | **5.7** (4) | 3/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f23** | 7.8 | 193 | 234 | 263 | 299 | 348 | 379 | 15/15 |
| **ex/3-SGB0.3** | 2.3 (2) | **8.5** (15) | **26** (5) | 30 (5) | **54** (6) | **57** (0.3) | ∞*2e4* | 0/15 |
| **ex/9-SGB0.3** | 2.5 (1) | 16 (14) | 27 (4) | 29 (6) | 56 (3) | 61 (0.2) | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | **2.2** (2) | 18 (17) | 32 (33) | **29** (22) | ∞ | ∞ | ∞*506* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f24** | 18 | 857 | 8515 | 23399 | 24113 | 24721 | 24721 | 5/15 |
| **ex/3-SGB0.3** | 2.5 (3) | 7.1 (8) | 3.1 (9) | **2.7** (3) | **2.7** (4) | **2.6** (3) | **2.7** (2) | 4/15 |
| **ex/9-SGB0.3** | **1.8** (4) | 40 (74) | ∞ | ∞ | ∞ | ∞ | ∞*2e4* | 0/15 |
| **ex/GP1-CMAES** | 3.2 (0.8) | **4.0** (6) | **0.88** (1) | ∞ | ∞ | ∞ | ∞*506* | 0/15 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **3-D** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f1** | 3.6 | 8 | 8 | 8 | 8 | 8 | 8 | 15/15 |
| **ex/3-SGB0.3** | **2.7** (3) | 27 (38) | 166 (36) | 302 (91) | 736 (401) | 1159 (23) | 1163 (26) | 15/15 |
| **ex/9-SGB0.3** | 3.4 (3) | 27 (14) | 169 (65) | 278 (104) | 717 (373) | 1150 (17) | 1154 (15) | 15/15 |
| **ex/GP1-CMAES** | 3.2 (3) | **4.4** (4) | **7.3** (2)★ | **10** (2)★4 | **13** (3)★4 | **19** (3)★4 | **27** (4)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f2** | 38 | 42 | 43 | 44 | 45 | 47 | 48 | 15/15 |
| **ex/3-SGB0.3** | 214 (94) | 294 (79) | 324 (355) | 330 (521) | 562 (340) | 1254 (1525) | 9073 (2e4) | 1/15 |
| **ex/9-SGB0.3** | 118 (92) | 193 (80) | 232 (50) | 431 (694) | 687 (699) | ∞ | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **8.0** (4)★4 | **10** (5)★4 | **12** (3)★4 | **13** (4)★4 | **14** (8)★4 | **16** (9)★4 | **28** (13)★4 | 5/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f3** | 38 | 822 | 830 | 835 | 842 | 847 | 853 | 15/15 |
| **ex/3-SGB0.3** | 36 (5) | 6.3 (4) | 23 (18) | 24 (18) | 24 (36) | 24 (27) | 34 (38) | 11/15 |
| **ex/9-SGB0.3** | 29 (15) | 4.8 (4) | 14 (3) | 15 (14) | 15 (0.0) | 15 (9) | 24 (7) | 14/15 |
| **ex/GP1-CMAES** | **4.7** (6)★3 | **1.6** (3)★3 | **4.3** (6)★3 | **6.4** (5)★3 | **6.5** (12)★3 | **6.5** (4)★3 | **13** (13)★3 | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f4** | 40 | 808 | 866 | 921 | 952 | 1015 | 1044 | 15/15 |
| **ex/3-SGB0.3** | 36 (8) | 8.0 (4) | 28 (43) | 27 (16) | 26 (31) | 24 (30) | 34 (22) | 10/15 |
| **ex/9-SGB0.3** | 37 (0.9) | **7.7** (4) | **26** (9) | **24** (44) | **24** (26) | **23** (26) | **31** (10) | 11/15 |
| **ex/GP1-CMAES** | **8.2** (3)★3 | ∞ | ∞ | ∞ | ∞ | ∞ | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f5** | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 15/15 |
| **ex/3-SGB0.3** | 34 (44) | 301 (158) | 1319 (67) | 1413 (119) | 1426 (113) | 1437 (140) | 1437 (132) | 15/15 |
| **ex/9-SGB0.3** | 23 (37) | 273 (35) | 757 (291) | 859 (22) | 869 (31) | 869 (54) | 869 (23) | 15/15 |
| **ex/GP1-CMAES** | **2.4** (1)★ | **17** (40)★4 | **24** (11)★4 | **24** (29)★4 | **24** (65)★4 | **24** (34)★4 | **24** (11)★4 | 14/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f6** | 34 | 56 | 90 | 117 | 149 | 215 | 265 | 15/15 |
| **ex/3-SGB0.3** | 6.5 (5) | 43 (26) | 70 (45) | 95 (14) | 80 (8) | 57 (10) | 54 (7) | 15/15 |
| **ex/9-SGB0.3** | 4.1 (5) | 41 (44) | 71 (25) | **79** (38) | **69** (9) | **49** (4) | **48** (4) | 15/15 |
| **ex/GP1-CMAES** | **2.7** (2) | **4.9** (2)★3 | **14** (23)★3 | 97 (74) | ∞ | ∞ | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f7** | 11 | 65 | 342 | 464 | 482 | 482 | 535 | 15/15 |
| **ex/3-SGB0.3** | 2.8 (3) | 14 (11) | 59 (57) | 77 (43) | 125 (105) | 125 (133) | 139 (219) | 5/15 |
| **ex/9-SGB0.3** | 3.2 (3) | 19 (8) | 17 (7) | 64 (105) | 115 (178) | 115 (201) | 105 (101) | 6/15 |
| **ex/GP1-CMAES** | **2.0** (1) | **1.2** (0.7)★2 | **0.89** (3)★3 | **0.98** (0.9)★3 | **1.4** (3)★3 | **1.4** (1)★3 | **1.7** (1)★3 | 5/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f8** | 27 | 45 | 152 | 179 | 188 | 198 | 208 | 15/15 |
| **ex/3-SGB0.3** | 32 (23) | 131 (100) | 252 (358) | 442 (392) | 2354 (2676) | ∞ | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 32 (26) | 65 (58) | 85 (29) | 212 (327) | 751 (361) | ∞ | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **2.6** (0.9)★2 | **13** (13)★3 | **13** (13)★3 | **19** (12)★3 | **28** (28)★3 | **28** (55)★3 | **53** (37)★3 | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f9** | 21 | 65 | 127 | 149 | 159 | 169 | 178 | 15/15 |
| **ex/3-SGB0.3** | 40 (29) | 91 (175) | 152 (170) | 391 (422) | 471 (337) | 817 (933) | 811 (1341) | 2/15 |
| **ex/9-SGB0.3** | 44 (34) | 67 (54) | 114 (59) | 325 (325) | 481 (577) | 828 (1198) | 2445 (2947) | 1/15 |
| **ex/GP1-CMAES** | **3.5** (1.0)★2 | **15** (24)★2 | **26** (40)★2 | **36** (47)★2 | **33** (33)★2 | **64** (86)★2 | **61** (113)★2 | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f10** | 114 | 152 | 168 | 180 | 194 | 218 | 242 | 15/15 |
| **ex/3-SGB0.3** | 127 (100) | 365 (396) | 779 (580) | 2390 (1787) | 2269 (1472) | ∞ | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 74 (45) | 346 (306) | 2557 (2324) | ∞ | ∞ | ∞ | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **2.5** (1)★4 | **2.8** (0.9)★4 | **3.1** (0.7)★4 | **3.1** (0.6)★4 | **3.3** (0.6)★4 | **3.8** (3)★4 | **4.9** (3)★4 | 4/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f11** | 67 | 105 | 227 | 263 | 277 | 302 | 327 | 15/15 |
| **ex/3-SGB0.3** | 173 (356) | 656 (963) | ∞ | ∞ | ∞ | ∞ | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 86 (143) | 872 (784) | ∞ | ∞ | ∞ | ∞ | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **4.8** (3)★2 | **4.3** (2)★4 | **2.3** (0.3)★4 | **2.2** (0.3)★4 | **2.4** (0.3)★4 | **3.1** (2)★4 | **5.5** (5)★4 | 2/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f12** | 65 | 168 | 338 | 401 | 445 | 696 | 790 | 15/15 |
| **ex/3-SGB0.3** | 250 (251) | 337 (513) | 604 (422) | 1071 (1011) | ∞ | **∞** | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 300 (4) | 413 (313) | 272 (511) | ∞ | ∞ | **∞** | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **5.8** (6)★4 | **4.3** (3)★4 | **3.4** (2)★4 | **5.2** (5)★4 | **8.2** (8)★4 | **∞** | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f13** | 49 | 85 | 108 | 136 | 215 | 281 | 365 | 15/15 |
| **ex/3-SGB0.3** | 61 (81) | 193 (178) | 846 (1245) | 961 (1269) | 2083 (1534) | **∞** | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 172 (329) | 1080 (971) | 3958 (3872) | ∞ | ∞ | **∞** | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **5.1** (2)★3 | **5.7** (3)★3 | **11** (5)★3 | **18** (15)★3 | **51** (39)★3 | **∞** | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f14** | 2.2 | 17 | 28 | 43 | 71 | 110 | 194 | 15/15 |
| **ex/3-SGB0.3** | 1.5 (2) | 11 (15) | 55 (3) | 124 (81) | 142 (13) | 4046 (4157) | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | **1** (1) | 6.8 (10) | 57 (1) | 96 (102) | 137 (21) | 3980 (2112) | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | 3.9 (4) | **2.5** (2) | **2.7** (1)★4 | **3.5** (1)★4 | **6.2** (2)★4 | **23** (15)★4 | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f15** | 121 | 1372 | 6285 | 8282 | 8429 | 8787 | 9041 | 15/15 |
| **ex/3-SGB0.3** | 11 (3) | 40 (66) | ∞ | ∞ | ∞ | ∞ | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 10 (4) | 32 (23) | 15 (13) | 11 (6) | 11 (20) | 11 (10) | 11 (17) | 4/15 |
| **ex/GP1-CMAES** | **2.1** (3)★2 | **1.7** (2)★3 | **1.7** (2)★3 | **1.3** (1)★3 | **1.3** (2)★3 | **1.3** (1)★3 | **1.2** (1)★3 | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f16** | 41 | 319 | 582 | 789 | 1864 | 3204 | 3361 | 15/15 |
| **ex/3-SGB0.3** | 1.7 (2) | 9.1 (13) | 27 (29) | 263 (171) | ∞ | ∞ | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 1.9 (2) | 8.4 (9) | 43 (67) | 553 (1160) | ∞ | ∞ | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **1.3** (1) | **3.1** (3) | **3.2** (2) | **6.6** (7) | **2.8** (2) | **1.7** (2) | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f17** | 3.6 | 78 | 282 | 491 | 1134 | 2347 | 3469 | 15/15 |
| **ex/3-SGB0.3** | 1.6 (1) | 15 (5) | 63 (137) | ∞ | ∞ | **∞** | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | **1.3** (0.1) | 17 (5) | 38 (19) | ∞ | ∞ | **∞** | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | 2.3 (0.8) | **2.4** (5) | **1.5** (3)★2 | **3.0** (2)★2 | **3.2** (3)★2 | **∞** | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f18** | 40 | 145 | 1289 | 3084 | 3523 | 4738 | 5527 | 15/15 |
| **ex/3-SGB0.3** | 4.5 (6) | 27 (31) | 343 (338) | ∞ | **∞** | **∞** | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 3.7 (2) | 24 (15) | 334 (396) | ∞ | **∞** | **∞** | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **1.3** (0.3) | **3.7** (5)★3 | **2.6** (3)★3 | **3.6** (6)★3 | **∞** | **∞** | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f19** | 1 | 1 | 109 | 6764 | 7367 | 7399 | 7441 | 15/15 |
| **ex/3-SGB0.3** | **1** (0) | **1** (0) | 269 (212) | 65 (42) | ∞ | ∞ | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | **1** (0) | **1** (0) | 262 (236) | **63** (63) | **58** (20) | **58** (77) | **58** (56) | 1/15 |
| **ex/GP1-CMAES** | 6.1 (8) | 154 (118) | **48** (34) | ∞ | ∞ | ∞ | ∞*753* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f20** | 8.3 | 385 | 2291 | 2398 | 2481 | 2573 | 2776 | 15/15 |
| **ex/3-SGB0.3** | 4.1 (5) | 10 (1) | 12 (14) | 12 (13) | 12 (9) | 11 (15) | 11 (17) | 9/15 |
| **ex/9-SGB0.3** | 5.0 (7) | 6.1 (1) | **8.8** (11) | **10** (7) | **10** (9) | **9.5** (6) | **9.5** (11) | 10/15 |
| **ex/GP1-CMAES** | **2.7** (2) | **3.7** (3)★ | ∞ | ∞ | ∞ | ∞ | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f21** | 5.9 | 184 | 425 | 439 | 458 | 469 | 482 | 14/15 |
| **ex/3-SGB0.3** | 1.4 (2) | 3.4 (3) | **2.8** (1) | 5.0 (0.7) | 10 (7) | 20 (5) | 22 (3) | 15/15 |
| **ex/9-SGB0.3** | 1.7 (2) | **1.9** (1) | 3.1 (2) | **4.6** (2) | **7.6** (7) | **13** (6) | **18** (0.9) | 15/15 |
| **ex/GP1-CMAES** | **0.93** (1) | 17 (14) | 25 (22) | 24 (15) | 23 (33) | 23 (18) | ∞*751* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f22** | 18 | 170 | 354 | 362 | 384 | 401 | 414 | 15/15 |
| **ex/3-SGB0.3** | **1.6** (0.8) | 3.2 (2) | 4.8 (5) | 10 (11) | 18 (10) | 36 (10) | 47 (14) | 12/15 |
| **ex/9-SGB0.3** | 2.1 (2) | **2.1** (2) | 4.9 (2) | 12 (10) | 20 (19) | 47 (41) | 57 (41) | 11/15 |
| **ex/GP1-CMAES** | 1.7 (2) | 3.8 (3) | **4.6** (3) | **6.4** (5) | **6.2** (5) | **8.9** (7) | **13** (13) | 2/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f23** | 2.6 | 407 | 906 | 1215 | 2214 | 2293 | 2393 | 15/15 |
| **ex/3-SGB0.3** | 3.4 (4) | 16 (10) | **51** (76) | **60** (56) | 39 (24) | 65 (101) | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | **2.3** (2) | 15 (9) | 63 (50) | 61 (93) | **39** (17) | **39** (23) | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | 3.3 (2) | **13** (17) | ∞ | ∞ | ∞ | ∞ | ∞*753* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f24** | 97 | 10391 | 1.00E+05 | 3.60E+05 | 3.60E+05 | 3.60E+05 | 3.60E+05 | 2/15 |
| **ex/3-SGB0.3** | 12 (8) | 20 (11) | **∞** | **∞** | **∞** | **∞** | ∞*3e4* | 0/15 |
| **ex/9-SGB0.3** | 11 (7) | **20** (14) | **∞** | **∞** | **∞** | **∞** | ∞*3e4* | 0/15 |
| **ex/GP1-CMAES** | **1.5** (2)★2 | ∞ | **∞** | **∞** | **∞** | **∞** | ∞*751* | 0/15 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **5-D** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f1** | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 15/15 |
| **ex/3-SGB0.3** | 10 (14) | 211 (60) | 276 (15) | 416 (116) | 1038 (370) | 1274 (18) | 1283 (15) | 15/15 |
| **ex/9-SGB0.3** | 8.7 (11) | 175 (84) | 283 (43) | 477 (153) | 947 (346) | 1258 (17) | 1266 (9) | 15/15 |
| **ex/GP1-CMAES** | **2.3** (0.7) | **6.0** (2)★2 | **9.1** (2)★4 | **12** (2)★4 | **15** (3)★4 | **21** (4)★4 | **30** (6)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f2** | 83 | 87 | 88 | 89 | 90 | 92 | 94 | 15/15 |
| **ex/3-SGB0.3** | 167 (60) | 169 (25) | 176 (6) | 191 (15) | 511 (324) | ∞ | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 245 (197) | 320 (288) | 326 (573) | 537 (485) | 1546 (1432) | ∞ | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **9.2** (3)★4 | **15** (2)★4 | **27** (19)★4 | **28** (25)★4 | **33** (59)★4 | **67** (52)★4 | **200** (277)★4 | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f3** | 716 | 1622 | 1637 | 1642 | 1646 | 1650 | 1654 | 15/15 |
| **ex/3-SGB0.3** | 4.2 (0.2) | 6.1 (2) | 17 (15) | 17 (15) | 17 (8) | 18 (31) | 32 (23) | 12/15 |
| **ex/9-SGB0.3** | 4.3 (0.4) | **5.5** (3) | **14** (15) | **14** (0.1) | **14** (23) | **16** (16) | **29** (16) | 13/15 |
| **ex/GP1-CMAES** | **1.6** (2)★4 | ∞ | ∞ | ∞ | ∞ | ∞ | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f4** | 809 | 1633 | 1688 | 1758 | 1817 | 1886 | 1903 | 15/15 |
| **ex/3-SGB0.3** | 4.0 (0.4) | 13 (3) | **35** (52) | **34** (28) | **33** (34) | **34** (35) | **45** (20) | 8/15 |
| **ex/9-SGB0.3** | **3.9** (0.5) | **10** (2) | 43 (89) | 41 (43) | 40 (21) | 42 (34) | 52 (47) | 7/15 |
| **ex/GP1-CMAES** | 4.4 (4) | ∞ | ∞ | ∞ | ∞ | ∞ | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f5** | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 15/15 |
| **ex/3-SGB0.3** | 241 (51) | 498 (210) | 1543 (47) | 1681 (237) | 1723 (278) | 1723 (168) | 1723 (52) | 15/15 |
| **ex/9-SGB0.3** | 264 (10) | 537 (190) | 1024 (127) | 1060 (248) | 1085 (207) | 1085 (172) | 1085 (162) | 15/15 |
| **ex/GP1-CMAES** | **4.0** (3)★4 | **15** (34)★4 | **25** (35)★4 | **26** (48)★4 | **26** (48)★4 | **26** (59)★4 | **26** (47)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f6** | 114 | 214 | 281 | 404 | 580 | 1038 | 1332 | 15/15 |
| **ex/3-SGB0.3** | 24 (4) | 42 (30) | 70 (18) | **55** (13) | 41 (13) | 24 (6) | **25** (2) | 15/15 |
| **ex/9-SGB0.3** | 26 (4) | 35 (24) | 72 (51) | 56 (64) | **41** (27) | **23** (24) | 27 (1) | 14/15 |
| **ex/GP1-CMAES** | **2.5** (3)★3 | **10** (6)★3 | **67** (57)★3 | ∞ | ∞ | ∞ | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f7** | 24 | 324 | 1171 | 1451 | 1572 | 1572 | 1597 | 15/15 |
| **ex/3-SGB0.3** | 35 (35) | 56 (116) | 176 (173) | ∞ | ∞ | ∞ | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 26 (15) | 13 (6) | 59 (109) | 156 (132) | ∞ | ∞ | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **3.9** (4)★3 | **1.4** (1)★4 | **0.80** (0.7)★4 | **2.2** (3)★4 | **3.7** (7)★4 | **3.7** (6)★4 | **5.6** (6)★4 | 2/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f8** | 73 | 273 | 336 | 372 | 391 | 410 | 422 | 15/15 |
| **ex/3-SGB0.3** | 50 (9) | 58 (22) | 169 (161) | **439** (770) | 604 (417) | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 48 (7) | 65 (23) | 240 (212) | 587 (571) | **581** (680) | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **3.2** (1)★4 | **10** (2)★4 | **56** (37)★4 | ∞ | ∞ | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f9** | 35 | 127 | 214 | 263 | 300 | 335 | 369 | 15/15 |
| **ex/3-SGB0.3** | 101 (17) | 778 (612) | 1626 (2178) | 2719 (2136) | 2425 (2580) | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 112 (38) | 437 (633) | 1596 (2684) | **1348** (929) | **2407** (2622) | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **8.2** (3)★4 | **47** (21)★4 | **88** (78)★4 | ∞ | ∞ | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f10** | 349 | 500 | 574 | 607 | 626 | 829 | 880 | 15/15 |
| **ex/3-SGB0.3** | 646 (542) | 1483 (2326) | ∞ | ∞ | ∞ | ∞ | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 641 (790) | 1476 (1351) | ∞ | ∞ | ∞ | ∞ | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **2.7** (1.0)★4 | **2.8** (2)★4 | **3.7** (2)★4 | **4.1** (5)★4 | **4.1** (6)★4 | **11** (14)★4 | **21** (22)★4 | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f11** | 143 | 202 | 763 | 977 | 1177 | 1467 | 1673 | 15/15 |
| **ex/3-SGB0.3** | 400 (606) | ∞ | ∞ | ∞ | ∞ | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 376 (369) | ∞ | ∞ | ∞ | ∞ | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **5.4** (0.8)★4 | **6.6** (3)★4 | **4.7** (5)★4 | **6.3** (14)★4 | **8.0** (9)★4 | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f12** | 108 | 268 | 371 | 413 | 461 | 1303 | 1494 | 15/15 |
| **ex/3-SGB0.3** | 213 (0.9) | 271 (374) | 581 (843) | ∞ | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 174 (2) | 270 (374) | 920 (1281) | ∞ | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **4.8** (3)★4 | **6.2** (5)★4 | **16** (20)★4 | **46** (59)★4 | **∞** | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f13** | 132 | 195 | 250 | 319 | 1310 | 1752 | 2255 | 15/15 |
| **ex/3-SGB0.3** | 127 (325) | 594 (706) | 1363 (1652) | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 103 (35) | 465 (836) | ∞ | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **3.2** (5)★4 | **20** (34)★4 | **74** (84)★4 | **∞** | **∞** | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f14** | 10 | 41 | 58 | 90 | 139 | 251 | 476 | 15/15 |
| **ex/3-SGB0.3** | 1.6 (0.7) | 48 (25) | 63 (13) | 161 (54) | 124 (3) | 389 (360) | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | **1.2** (2) | 49 (32) | 59 (20) | 129 (59) | 117 (2) | **332** (248) | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | 1.6 (1) | **1.9** (0.3)★ | **2.8** (0.8)★4 | **3.4** (2)★4 | **6.4** (5)★4 | ∞ | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f15** | 511 | 9310 | 19369 | 19743 | 20073 | 20769 | 21359 | 14/15 |
| **ex/3-SGB0.3** | 19 (12) | **77** (74) | ∞ | ∞ | ∞ | ∞ | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 19 (79) | 77 (71) | **37** (30) | **36** (35) | **36** (61) | **35** (18) | **35** (59) | 1/15 |
| **ex/GP1-CMAES** | **2.9** (3)★4 | ∞ | ∞ | ∞ | ∞ | ∞ | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f16** | 120 | 612 | 2662 | 10163 | 10449 | 11644 | 12095 | 15/15 |
| **ex/3-SGB0.3** | 3.3 (3) | 101 (143) | 126 (84) | ∞ | ∞ | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 5.5 (4) | 29 (51) | 267 (427) | ∞ | ∞ | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **1.2** (0.8) | **3.8** (6)★3 | **6.8** (5)★3 | **1.8** (1)★3 | **1.8** (1)★3 | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f17** | 5.2 | 215 | 899 | 2861 | 3669 | 6351 | 7934 | 15/15 |
| **ex/3-SGB0.3** | **3.2** (3) | 13 (4) | 236 (222) | ∞ | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 4.1 (4) | 14 (1) | 98 (97) | ∞ | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | 4.5 (4) | **0.67** (0.3)★4 | **0.80** (1)★4 | **0.89** (0.9)★4 | **∞** | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f18** | 103 | 378 | 3968 | 8451 | 9280 | 10905 | 12469 | 15/15 |
| **ex/3-SGB0.3** | 15 (8) | 47 (68) | ∞ | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 13 (10) | 31 (42) | ∞ | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **1.0** (0.7)★4 | **1.8** (2)★4 | **1.4** (1.0)★4 | **∞** | **∞** | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f19** | 1 | 1 | 242 | 1.00E+05 | 1.20E+05 | 1.20E+05 | 1.20E+05 | 15/15 |
| **ex/3-SGB0.3** | **1** (0) | **1** (0) | **891** (928) | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | **1** (0) | **1** (0) | 910 (1617) | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | 25 (15) | 2568 (4202) | ∞ | **∞** | **∞** | **∞** | ∞*1260* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f20** | 16 | 851 | 38111 | 51362 | 54470 | 54861 | 55313 | 14/15 |
| **ex/3-SGB0.3** | 43 (40) | **5.9** (5) | 8.6 (12) | 6.6 (5) | 6.3 (9) | 6.2 (4) | 6.3 (5) | 2/15 |
| **ex/9-SGB0.3** | 29 (34) | 6.1 (1) | **2.9** (2) | **2.2** (3) | **2.1** (3) | **2.1** (4) | **2.3** (2) | 5/15 |
| **ex/GP1-CMAES** | **3.1** (1)★2 | 11 (8) | ∞ | ∞ | ∞ | ∞ | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f21** | 41 | 1157 | 1674 | 1692 | 1705 | 1729 | 1757 | 14/15 |
| **ex/3-SGB0.3** | 4.6 (4) | 3.0 (2) | 5.4 (8) | 6.4 (2) | 8.4 (4) | 12 (17) | 13 (2) | 14/15 |
| **ex/9-SGB0.3** | 2.4 (2) | 19 (4) | 17 (45) | 19 (23) | 22 (15) | 24 (36) | 24 (29) | 10/15 |
| **ex/GP1-CMAES** | **1.3** (0.6) | **1.9** (3) | **1.7** (2) | **1.7** (2) | **2.2** (1) | **2.3** (2) | **2.4** (1) | 4/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f22** | 71 | 386 | 938 | 980 | 1008 | 1040 | 1068 | 14/15 |
| **ex/3-SGB0.3** | 5.4 (4) | 21 (34) | 32 (20) | 40 (27) | 58 (16) | 120 (132) | 120 (176) | 5/15 |
| **ex/9-SGB0.3** | 4.6 (2) | 41 (99) | 43 (56) | 47 (31) | 51 (80) | 66 (41) | 94 (73) | 6/15 |
| **ex/GP1-CMAES** | **3.6** (9) | **9.3** (7) | **19** (11) | **18** (32) | **18** (30) | **17** (21) | **17** (16) | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f23** | 3 | 518 | 14249 | 27890 | 31654 | 33030 | 34256 | 15/15 |
| **ex/3-SGB0.3** | 1.9 (1) | 41 (6) | **51** (54) | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 2.6 (4) | 24 (2) | 51 (28) | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **1.9** (2) | **4.9** (7) | ∞ | **∞** | **∞** | **∞** | ∞*1258* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f24** | 1622 | 2.20E+05 | 6.40E+06 | 9.60E+06 | 9.60E+06 | 1.30E+07 | 1.30E+07 | 3/15 |
| **ex/3-SGB0.3** | 20 (14) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/9-SGB0.3** | 16 (16) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5e4* | 0/15 |
| **ex/GP1-CMAES** | **2.1** (2)★3 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1258* | 0/15 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **10-D** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f1** | 22 | 23 | 23 | 23 | 23 | 23 | 23 | 15/15 |
| **ex/3-SGB0.3** | 230 (43) | 337 (21) | 521 (80) | 1299 (144) | 1362 (6) | 1376 (12) | 1682 (155) | 15/15 |
| **ex/9-SGB0.3** | 240 (10) | 335 (31) | 559 (78) | 1189 (299) | 1343 (15) | 1355 (16) | 1605 (160) | 15/15 |
| **ex/GP1-CMAES** | **3.7** (0.6)★4 | **7.0** (0.8)★4 | **10** (1)★4 | **13** (2)★4 | **16** (2)★4 | **24** (2)★4 | **34** (5)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f2** | 187 | 190 | 191 | 191 | 193 | 194 | 195 | 15/15 |
| **ex/3-SGB0.3** | 164 (5) | **246** (29) | 3728 (4010) | ∞ | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 164 (4) | 253 (34) | **1295** (2319) | **3809** (4985) | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **33** (24)★4 | ∞ | ∞ | ∞ | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f3** | 1739 | 3600 | 3609 | 3636 | 3642 | 3646 | 3651 | 15/15 |
| **ex/3-SGB0.3** | 7.4 (0.8) | 50 (35) | 189 (194) | 187 (151) | 187 (172) | 195 (247) | 202 (178) | 2/15 |
| **ex/9-SGB0.3** | 6.2 (0.8) | **50** (56) | **189** (339) | **187** (323) | **187** (233) | **195** (144) | **202** (144) | 2/15 |
| **ex/GP1-CMAES** | **4.9** (5)★4 | ∞ | ∞ | ∞ | ∞ | ∞ | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f4** | 2234 | 3626 | 3660 | 3695 | 3707 | 3744 | 28767 | 12/15 |
| **ex/3-SGB0.3** | 5.8 (0.5) | 188 (359) | **391** (567) | **387** (244) | **386** (418) | **393** (287) | **52** (27) | 1/15 |
| **ex/9-SGB0.3** | **5.4** (1) | **84** (76) | ∞ | ∞ | ∞ | ∞ | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | ∞ | ∞ | ∞ | ∞ | ∞ | ∞ | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f5** | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 15/15 |
| **ex/3-SGB0.3** | 387 (35) | 1495 (36) | 2145 (422) | 2410 (496) | 2525 (272) | 2525 (170) | 2525 (496) | 15/15 |
| **ex/9-SGB0.3** | 403 (31) | 1095 (307) | 2046 (312) | 2364 (654) | 2557 (277) | 2557 (448) | 2557 (304) | 15/15 |
| **ex/GP1-CMAES** | **5.3** (2)★4 | **35** (45)★4 | **41** (25)★4 | **42** (28)★4 | **42** (10)★4 | **42** (46)★4 | **42** (39)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f6** | 412 | 623 | 826 | 1039 | 1292 | 1841 | 2370 | 15/15 |
| **ex/3-SGB0.3** | 35 (18) | 68 (5) | 71 (37) | **63** (32) | **53** (31) | **38** (34) | **38** (0.4) | 14/15 |
| **ex/9-SGB0.3** | 31 (4) | 64 (11) | **71** (17) | 70 (65) | 64 (23) | 46 (31) | 45 (12) | 12/15 |
| **ex/GP1-CMAES** | **3.0** (3)★4 | **9.0** (9)★4 | ∞ | ∞ | ∞ | ∞ | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f7** | 172 | 1611 | 4195 | 5099 | 5141 | 5141 | 5389 | 15/15 |
| **ex/3-SGB0.3** | 45 (7) | 265 (130) | ∞ | ∞ | ∞ | ∞ | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 45 (8) | 897 (652) | ∞ | ∞ | ∞ | ∞ | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **1.6** (0.6)★4 | **0.99** (0.4)★4 | **4.4** (4)★4 | **7.4** (4)★4 | **7.3** (4)★4 | **7.3** (4)★4 | ∞*2514* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f8** | 326 | 921 | 1114 | 1217 | 1267 | 1315 | 1343 | 15/15 |
| **ex/3-SGB0.3** | 83 (35) | **131** (68) | 394 (200) | **385** (333) | **1180** (1638) | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 96 (39) | 208 (139) | **298** (307) | 595 (631) | ∞ | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **3.1** (1)★4 | ∞ | ∞ | ∞ | ∞ | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f9** | 200 | 648 | 857 | 993 | 1065 | 1138 | 1185 | 15/15 |
| **ex/3-SGB0.3** | 203 (148) | 1064 (1278) | 1705 (1633) | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 159 (40) | 1108 (1697) | ∞ | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **4.3** (2)★4 | **57** (37)★4 | **44** (39)★4 | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f10** | 1835 | 2172 | 2455 | 2728 | 2802 | 4543 | 4739 | 15/15 |
| **ex/3-SGB0.3** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **4.0** (4)★4 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f11** | 266 | 1041 | 2602 | 2954 | 3338 | 4092 | 4843 | 15/15 |
| **ex/3-SGB0.3** | 2505 (3753) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **27** (44)★4 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f12** | 515 | 896 | 1240 | 1390 | 1569 | 3660 | 5154 | 15/15 |
| **ex/3-SGB0.3** | 91 (49) | 163 (113) | 349 (222) | 1054 (1960) | ∞ | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 61 (1) | 75 (56) | 353 (423) | 1052 (1439) | ∞ | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **2.9** (5)★4 | **3.8** (5)★4 | **6.6** (5)★4 | **26** (21)★4 | **23** (34)★4 | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f13** | 387 | 596 | 797 | 1014 | 4587 | 6208 | 7779 | 15/15 |
| **ex/3-SGB0.3** | 123 (67) | 391 (379) | 388 (439) | 1469 (1874) | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 147 (67) | 517 (1172) | ∞ | ∞ | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **2.5** (2)★4 | **8.1** (6)★4 | **8.1** (7)★4 | **12** (19)★4 | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f14** | 37 | 98 | 133 | 205 | 392 | 687 | 4305 | 15/15 |
| **ex/3-SGB0.3** | 22 (34) | 71 (4) | 98 (23) | 156 (7) | 87 (4) | ∞ | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 23 (13) | 71 (4) | 107 (9) | 155 (4) | 87 (3) | **2179** (1566) | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **2.0** (0.9)★2 | **2.2** (1.0)★4 | **3.1** (0.6)★4 | **3.6** (0.5)★4 | **4.4** (2)★4 | ∞ | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f15** | 4774 | 39246 | 73643 | 74669 | 75790 | 77814 | 79834 | 12/15 |
| **ex/3-SGB0.3** | 143 (377) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 63 (67) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **3.7** (5)★4 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f16** | 425 | 7029 | 15779 | 45669 | 51151 | 65798 | 71570 | 15/15 |
| **ex/3-SGB0.3** | 19 (7) | ∞ | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 18 (9) | ∞ | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **1.1** (0.3)★4 | **2.4** (5)★4 | **∞** | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f17** | 26 | 429 | 2203 | 6329 | 9851 | 20190 | 26503 | 15/15 |
| **ex/3-SGB0.3** | 3.3 (5) | 25 (26) | ∞ | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 4.7 (4) | 24 (7) | ∞ | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **1.7** (0.4) | **0.84** (0.7)★4 | **2.6** (3)★4 | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f18** | 238 | 836 | 7012 | 15928 | 27536 | 37234 | 42708 | 15/15 |
| **ex/3-SGB0.3** | 26 (2) | 1696 (1346) | ∞ | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 26 (2) | 289 (145) | ∞ | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **0.97** (0.3)★4 | **2.3** (5)★4 | **5.2** (8)★4 | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f19** | 1 | 1 | 10609 | 9.80E+05 | 1.40E+06 | 1.40E+06 | 1.40E+06 | 15/15 |
| **ex/3-SGB0.3** | **1** (0) | **1** (0) | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | **1** (0) | **1** (0) | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | 59 (22) | 1.8e4 (2e4) | **∞** | **∞** | **∞** | **∞** | ∞*2504* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f20** | 32 | 15426 | 5.50E+05 | 5.70E+05 | 5.70E+05 | 5.80E+05 | 5.90E+05 | 15/15 |
| **ex/3-SGB0.3** | 173 (11) | **1.6** (2) | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 165 (14) | 1.6 (5) | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **4.0** (1)★4 | ∞ | **∞** | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f21** | 130 | 2236 | 4392 | 4487 | 4618 | 5074 | 11329 | 15/15 |
| **ex/3-SGB0.3** | 46 (9) | 21 (45) | 23 (40) | 26 (62) | 26 (33) | 25 (25) | 11 (9) | 8/15 |
| **ex/9-SGB0.3** | 51 (6) | 73 (78) | 48 (91) | 51 (41) | 50 (33) | 47 (60) | 21 (31) | 5/15 |
| **ex/GP1-CMAES** | **2.4** (0.3)★3 | **2.4** (4)★3 | **8.1** (11)★3 | **7.9** (8)★3 | **7.7** (7)★3 | **7.1** (15)★3 | **3.2** (4)★3 | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f22** | 98 | 2839 | 6353 | 6620 | 6798 | 8296 | 10351 | 15/15 |
| **ex/3-SGB0.3** | 81 (92) | 60 (106) | **106** (102) | **104** (249) | **102** (38) | **174** (190) | **140** (169) | 1/15 |
| **ex/9-SGB0.3** | 145 (5) | 77 (44) | 227 (425) | 220 (242) | 216 (173) | ∞ | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **3.7** (7)★3 | **1.9** (4)★3 | ∞ | ∞ | ∞ | ∞ | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f23** | 2.8 | 915 | 16425 | 1.80E+05 | 2.00E+05 | 2.10E+05 | 2.10E+05 | 15/15 |
| **ex/3-SGB0.3** | **1.8** (1) | 32 (9) | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | 2.1 (2) | 33 (2) | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | 2.2 (3) | **2.7** (4)★3 | **∞** | **∞** | **∞** | **∞** | ∞*2502* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f24** | 98761 | 1.00E+06 | 7.50E+07 | 7.50E+07 | 7.50E+07 | 7.50E+07 | 7.50E+07 | 1/15 |
| **ex/3-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/9-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*1e5* | 0/15 |
| **ex/GP1-CMAES** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2514* | 0/15 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **20-D** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f1** | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 15/15 |
| **ex/3-SGB0.3** | 310 (18) | 1477 (34) | 1628 (57) | 1681 (59) | 1699 (52) | 1709 (60) | 2630 (135) | 15/15 |
| **ex/9-SGB0.3** | 317 (24) | 1376 (23) | 1581 (36) | 1632 (44) | 1650 (62) | 1658 (37) | 2677 (59) | 15/15 |
| **ex/GP1-CMAES** | **5.1** (0.8)★4 | **9.2** (1)★4 | **14** (2)★4 | **17** (2)★4 | **21** (3)★4 | **32** (3)★4 | **48** (3)★4 | 15/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f2** | 385 | 386 | 387 | 388 | 390 | 391 | 393 | 15/15 |
| **ex/3-SGB0.3** | **7635** (4809) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f3** | 5066 | 7626 | 7635 | 7637 | 7643 | 7646 | 7651 | 15/15 |
| **ex/3-SGB0.3** | **565** (1036) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f4** | 4722 | 7628 | 7666 | 7686 | 7700 | 7758 | 1.40E+05 | 9/15 |
| **ex/3-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5046* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f5** | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 15/15 |
| **ex/3-SGB0.3** | 1605 (56) | 2482 (421) | 2795 (187) | 2992 (198) | 3058 (169) | 3062 (143) | 3062 (69) | 15/15 |
| **ex/9-SGB0.3** | 1521 (66) | 2567 (143) | 2888 (112) | 3018 (99) | 3061 (162) | 3069 (168) | 3069 (118) | 15/15 |
| **ex/GP1-CMAES** | **12** (8)★4 | **69** (103)★4 | **91** (187)★4 | **92** (50)★4 | **92** (98)★4 | **92** (268)★4 | **92** (59)★4 | 11/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f6** | 1296 | 2343 | 3413 | 4255 | 5220 | 6728 | 8409 | 15/15 |
| **ex/3-SGB0.3** | 137 (14) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 163 (119) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **8.5** (6)★4 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f7** | 1351 | 4274 | 9503 | 16523 | 16524 | 16524 | 16969 | 15/15 |
| **ex/3-SGB0.3** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 2127 (1999) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **3.0** (4)★4 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5010* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f8** | 2039 | 3871 | 4040 | 4148 | 4219 | 4371 | 4484 | 15/15 |
| **ex/3-SGB0.3** | 703 (287) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **339** (416) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f9** | 1716 | 3102 | 3277 | 3379 | 3455 | 3594 | 3727 | 15/15 |
| **ex/3-SGB0.3** | **413** (234) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 849 (935) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | ∞ | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f10** | 7413 | 8661 | 10735 | 13641 | 14920 | 17073 | 17476 | 15/15 |
| **ex/3-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f11** | 1002 | 2228 | 6278 | 8586 | 9762 | 12285 | 14831 | 15/15 |
| **ex/3-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f12** | 1042 | 1938 | 2740 | 3156 | 4140 | 12407 | 13827 | 15/15 |
| **ex/3-SGB0.3** | 86 (54) | 194 (286) | 522 (1058) | ∞ | ∞ | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 98 (2) | 194 (181) | 519 (530) | ∞ | ∞ | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **2.4** (3)★4 | **2.7** (4)★4 | **6.1** (7)★4 | **23** (22)★4 | **18** (15)★4 | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f13** | 652 | 2021 | 2751 | 3507 | 18749 | 24455 | 30201 | 15/15 |
| **ex/3-SGB0.3** | 145 (84) | **189** (175) | 1049 (1200) | **846** (1198) | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 170 (81) | 681 (990) | **518** (745) | ∞ | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **22** (19)★4 | ∞ | ∞ | ∞ | **∞** | **∞** | ∞*5046* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f14** | 75 | 239 | 304 | 451 | 932 | 1648 | 15661 | 15/15 |
| **ex/3-SGB0.3** | 148 (7) | 180 (91) | 235 (9) | 170 (5) | 87 (3) | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 149 (2) | 156 (82) | 228 (8) | 165 (9) | 84 (4) | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **3.0** (0.7)★4 | **2.3** (0.6)★4 | **2.9** (0.7)★4 | **3.5** (0.7)★4 | **4.0** (0.4)★4 | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f15** | 30378 | 1.50E+05 | 3.10E+05 | 3.20E+05 | 3.20E+05 | 4.50E+05 | 4.60E+05 | 15/15 |
| **ex/3-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f16** | 1384 | 27265 | 77015 | 1.40E+05 | 1.90E+05 | 2.00E+05 | 2.20E+05 | 15/15 |
| **ex/3-SGB0.3** | 350 (337) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 470 (677) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **0.90** (1.0)★4 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f17** | 63 | 1030 | 4005 | 12242 | 30677 | 56288 | 80472 | 15/15 |
| **ex/3-SGB0.3** | 56 (51) | 448 (922) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 61 (81) | 281 (340) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **1.4** (0.8)★2 | **3.4** (3)★4 | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f18** | 621 | 3972 | 19561 | 28555 | 67569 | 1.30E+05 | 1.50E+05 | 15/15 |
| **ex/3-SGB0.3** | 31 (36) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 32 (20) | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **0.93** (0.3)★4 | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f19** | 1 | 1 | 3.40E+05 | 4.70E+06 | 6.20E+06 | 6.70E+06 | 6.70E+06 | 15/15 |
| **ex/3-SGB0.3** | **1** (0) | **1** (0) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **1** (0) | **1** (0) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | 153 (40) | 3.6e4 (4e4) | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f20** | 82 | 46150 | 3.10E+06 | 5.50E+06 | 5.50E+06 | 5.60E+06 | 5.60E+06 | 14/15 |
| **ex/3-SGB0.3** | 171 (20) | **62** (90) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 171 (9) | 62 (50) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **3.2** (0.5)★4 | ∞ | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f21** | 561 | 6541 | 14103 | 14318 | 14643 | 15567 | 17589 | 15/15 |
| **ex/3-SGB0.3** | 33 (43) | 68 (23) | 44 (36) | 44 (21) | 43 (82) | 41 (45) | 37 (14) | 4/15 |
| **ex/9-SGB0.3** | 67 (99) | 92 (164) | 62 (89) | 61 (70) | 60 (51) | 57 (39) | 51 (48) | 3/15 |
| **ex/GP1-CMAES** | **2.5** (4)★4 | **2.2** (4)★4 | **5.0** (6)★4 | **5.0** (10)★4 | **4.9** (5)★4 | **4.6** (4)★4 | **4.1** (3)★4 | 1/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f22** | 467 | 5580 | 23491 | 24163 | 24948 | 26847 | 1.30E+05 | 12/15 |
| **ex/3-SGB0.3** | 73 (31) | 514 (565) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | 79 (29) | 155 (305) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **6.9** (8)★3 | **1.4** (2)★3 | **∞** | **∞** | **∞** | **∞** | ∞*5008* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f23** | 3.2 | 1614 | 67457 | 3.70E+05 | 4.90E+05 | 8.10E+05 | 8.40E+05 | 15/15 |
| **ex/3-SGB0.3** | 1.6 (2) | 72 (32) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **1.5** (2) | 75 (105) | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | 2.5 (3) | **1.6** (0.4)★4 | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |
|  |  |  |  |  |  |  |  |  |
| **Δ fopt** | 1.00E+01 | 1.00E+00 | 1.00E-01 | 1.00E-02 | 1.00E-03 | 1.00E-05 | 1.00E-07 | #succ |
| **f24** | 1.30E+06 | 7.50E+06 | 5.20E+07 | 5.20E+07 | 5.20E+07 | 5.20E+07 | 5.20E+07 | 3/15 |
| **ex/3-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/9-SGB0.3** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*2e5* | 0/15 |
| **ex/GP1-CMAES** | **∞** | **∞** | **∞** | **∞** | **∞** | **∞** | ∞*5006* | 0/15 |