|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Optinum variables** | | | **Subject** | | | | Optima weight |
| Algorithm | x\_(1)(d) | x\_(2)(D) | x\_(3)(P) | g\_(1)(x) | g\_(2)(x) | g\_(3)(x) | g\_(4)(x) | f(x) |
| H5N1 | **0.051726** | **0.357657** | **11.231553** | 0.000053 | 0.000121 | -4.056560 | -0.727078 | **0.012663** |
| DE [1] | 0.051609 | 0.354714 | 11.410831 | N/A | N/A | N/A | N/A | 0.012670 |
| CPSO[2] | 0.051728 | 0.357644 | 11.244543 | -0.000845 | -0.000013 | -4.051300 | -0.727090 | 0.012675 |
| PSO[2] | 0.051728 | 0.357644 | 11.244543 | N/A | N/A | N/A | N/A | 0.012675 |
| SSA[3] | 0.051207 | 0.345215 | 12.004032 | N/A | N/A | N/A | N/A | 0.012676 |
| Coello and Montes [4] | 0.051989 | 0.363965 | 10.890522 | -0.000013 | -0.000021 | -4.061338 | -0.722698 | 0.012681 |
| GSA[3] | 0.050276 | 0.323680 | 13.525410 | N/A | N/A | N/A | N/A | 0.012702 |
| Coello [5] | 0.051480 | 0.351661 | 11.632201 | -0.002080 | -0.000110 | -4.026318 | -4.026318 | 0.012705 |
| Kannan [6] | 0.050000 | 0.315900 | 14.250000 | -0.000014 | -0.003782 | -3.938302 | -0.756067 | 0.012833 |

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