

TABLE I
No TITLE

Problem	M	D	SMSEMOA_optimal	SMSEMOA_DR	SMSEMOA_DR3	SMSEMOA_DR2
MinusDTLZ1	10	14	4.4237e+28 (5.99e+26) \approx	4.4120e+28 (4.79e+26) \approx	4.4049e+28 (6.27e+26) \approx	4.3872e+28 (7.72e+26)
MinusDTLZ2	10	19	1.4737e+7 (1.55e+5) $-$	1.4891e+7 (1.11e+5) \approx	1.4826e+7 (1.64e+5) \approx	1.4844e+7 (1.45e+5)
MinusDTLZ3	10	19	1.3385e+35 (3.41e+33) \approx	1.3702e+35 (3.42e+33) \approx	1.3588e+35 (3.70e+33) \approx	1.3582e+35 (3.78e+33)
MinusDTLZ4	10	19	1.4899e+7 (1.20e+5) $+$	1.4895e+7 (1.27e+5) $+$	1.4925e+7 (1.38e+5) $+$	1.3585e+7 (1.57e+6)
MinusWFG1	10	19	4.4894e+10 (4.81e+8) \approx	4.4890e+10 (4.35e+8) \approx	4.4903e+10 (4.69e+8) \approx	4.4705e+10 (5.60e+8)
MinusWFG2	10	19	6.7628e+10 (7.51e+8) \approx	6.7870e+10 (3.31e+7) $-$	6.7867e+10 (1.52e+8) \approx	6.7907e+10 (1.60e+7)
MinusWFG3	10	19	6.4321e+10 (2.29e+8) $+$	6.3642e+10 (4.93e+8) \approx	6.3717e+10 (5.19e+8) \approx	6.3799e+10 (5.87e+8)
MinusWFG4	10	19	1.9896e+11 (2.20e+9) \approx	1.9752e+11 (2.39e+9) \approx	1.9966e+11 (2.67e+9) $+$	1.9260e+11 (1.34e+10)
MinusWFG5	10	19	1.9817e+11 (1.82e+9) \approx	1.9897e+11 (1.93e+9) \approx	1.9873e+11 (1.70e+9) \approx	1.9819e+11 (1.40e+9)
MinusWFG6	10	19	1.9865e+11 (1.83e+9) \approx	1.9989e+11 (2.03e+9) \approx	2.0077e+11 (1.51e+9) \approx	1.9960e+11 (1.94e+9)
MinusWFG7	10	19	1.9870e+11 (1.30e+9) $-$	1.9978e+11 (2.21e+9) \approx	2.0061e+11 (1.48e+9) \approx	1.9937e+11 (2.97e+9)
MinusWFG8	10	19	1.9932e+11 (1.56e+9) $-$	2.0220e+11 (1.71e+9) $+$	2.0077e+11 (1.85e+9) \approx	2.0065e+11 (1.77e+9)
MinusWFG9	10	19	1.9777e+11 (2.21e+9) \approx	1.9557e+11 (2.17e+9) $-$	1.9798e+11 (2.25e+9) \approx	1.9852e+11 (1.86e+9)
$+/-/\approx$			2/3/8	2/2/9	2/0/11	