

(a) LMFnew,  $FE = 100$ ,  $D = 100$ , IGDp

	$M$	NSGAII	NSGAIII	MOEAD	RVEA	IBEA	AGEMOEAI	LMOCSSO	R2HCAEMOA	MCEAD	SFADE
LMFnew4	3	9.511e+01 +	1.060e+02 $\approx$	7.961e+01 +	6.310e+01 +	9.349e+01 +	1.056e+02 $\approx$	6.497e+01 +	9.472e+01 $\approx$	1.087e+02 $\approx$	1.151e+02
	4	2.618e+02 $\approx$	2.295e+02 +	2.038e+02 +	1.680e+02 +	2.255e+02 +	2.645e+02 $\approx$	1.364e+02 +	2.412e+02 $\approx$	2.812e+02 $\approx$	2.859e+02
	6	1.834e+02 -	1.421e+02 $\approx$	1.117e+02 $\approx$	7.386e+01 +	1.218e+02 $\approx$	1.534e+02 $\approx$	8.398e+01 $\approx$	1.420e+02 $\approx$	1.696e+02 $\approx$	1.257e+02
LMFnew7	3	1.820e+02 $\approx$	1.609e+02 +	1.296e+02 +	1.387e+02 +	1.476e+02 +	1.942e+02 $\approx$	9.182e+01 +	1.646e+02 +	2.087e+02 $\approx$	2.106e+02
	4	2.336e+02 +	2.429e+02 +	1.882e+02 +	2.170e+02 +	1.879e+02 +	2.700e+02 $\approx$	1.288e+02 +	2.609e+02 +	2.943e+02 $\approx$	3.181e+02
	6	3.965e+02 $\approx$	3.344e+02 $\approx$	2.322e+02 +	2.551e+02 +	3.065e+02 $\approx$	3.625e+02 $\approx$	1.347e+02 +	3.047e+02 $\approx$	3.769e+02 $\approx$	3.506e+02
LMFnew8	3	8.335e+01 $\approx$	8.226e+01 $\approx$	6.502e+01 +	7.421e+01 $\approx$	7.016e+01 +	8.336e+01 $\approx$	4.113e+01 +	8.248e+01 $\approx$	9.379e+01 $\approx$	9.896e+01
	4	2.372e+02 $\approx$	2.079e+02 $\approx$	2.103e+02 $\approx$	1.511e+02 +	1.858e+02 +	2.290e+02 $\approx$	1.264e+02 +	2.066e+02 $\approx$	2.419e+02 $\approx$	2.427e+02
	6	4.052e+02 -	3.074e+02 $\approx$	2.630e+02 $\approx$	2.217e+02 $\approx$	3.096e+02 $\approx$	3.251e+02 $\approx$	1.347e+02 +	3.592e+02 $\approx$	3.488e+02 $\approx$	2.829e+02
LMFnew12	3	4.624e+03 +	4.165e+03 +	2.926e+03 +	1.684e+03 +	4.356e+03 +	4.616e+03 $\approx$	3.273e+03 +	4.561e+03 +	6.569e+03 $\approx$	6.557e+03
	4	8.128e+03 +	8.435e+03 +	8.561e+03 +	5.504e+03 +	1.001e+04 $\approx$	1.207e+04 $\approx$	4.626e+03 +	8.668e+03 +	1.417e+04 $\approx$	1.498e+04
	6	2.135e+04 $\approx$	2.012e+04 $\approx$	1.135e+04 +	9.764e+03 +	2.092e+04 $\approx$	2.300e+04 $\approx$	9.920e+03 +	2.188e+04 $\approx$	2.811e+04 -	2.102e+04
+/-/ $\approx$		4/2/6	5/0/7	9/0/3	10/0/2	7/0/5	0/0/12	11/0/1	4/0/8	0/1/11	-
Average Rank		7.3333	5.3333	3.0833	2.1667	4.3333	7.7500	1.4167	6.0833	9.0833	8.4167