

MOP	Dim.	PFI-EMOA $w_0 = 0$	PFI-EMOA $w_0 = 0.11$	PFI-EMOA $w_0 = 0.22$	PFI-EMOA $w_0 = 0.33$	PFI-EMOA $w_0 = 0.44$	PFI-EMOA $w_0 = 0.55$	PFI-EMOA $w_0 = 0.66$	PFI-EMOA $w_0 = 0.77$	PFI-EMOA $w_0 = 0.88$	PFI-EMOA $w_0 = 0.99$	PFI-EMOA $w_0 = 1$	
DTLZ1	2	8.737332e-01 <sup>1</sup> # (1.694089e-04)	8.738353e-01 <sup>5</sup> (1.130015e-04)	8.737860e-01 <sup>9</sup> (1.217192e-04)	8.737337e-01 <sup>0</sup> # (1.799644e-04)	8.737964e-01 <sup>8</sup> (1.421491e-04)	8.738364e-01 <sup>4</sup> (1.713017e-04)	8.738607e-01 <sup>2</sup> (4.489532e-05)	8.738709e-01 <sup>1</sup> (5.163512e-05)	8.738571e-01 <sup>3</sup> (6.792287e-05)	8.738225e-01 <sup>6</sup> (1.116424e-04)	8.738185e-01 <sup>7</sup> (1.034517e-04)	
	3	9.741830e-01 <sup>1</sup> 0 (2.299820e-04)	9.741781e-01 <sup>1</sup> # (1.399270e-04)	9.742376e-01 <sup>7</sup> (2.099628e-04)	9.742308e-01 <sup>9</sup> (1.683291e-04)	9.742625e-01 <sup>3</sup> (1.644275e-04)	9.742338e-01 <sup>8</sup> (1.900000e-04)	9.742568e-01 <sup>5</sup> (1.357473e-04)	9.742850e-01 <sup>1</sup> (1.051924e-04)	9.742607e-01 <sup>4</sup> (1.100530e-04)	9.742561e-01 <sup>6</sup> (1.146610e-04)	9.742561e-01 <sup>6</sup> (1.000772e-04)	
	4	9.943723e-01 <sup>8</sup> (1.598254e-04)	9.943554e-01 <sup>9</sup> # (1.107539e-04)	9.943363e-01 <sup>1</sup> 0 (2.293935e-04)	9.943363e-01 <sup>1</sup> 0 (2.293935e-04)	9.944011e-01 <sup>6</sup> (7.258557e-05)	9.944361e-01 <sup>3</sup> (7.123615e-05)	9.944166e-01 <sup>1</sup> (3.896914e-05)	9.944187e-01 <sup>5</sup> (7.324002e-05)	9.943961e-01 <sup>7</sup> # (5.816218e-05)	9.944224e-01 <sup>4</sup> (3.238939e-03)	9.944224e-01 <sup>4</sup> (7.984512e-05)	9.944224e-01 <sup>4</sup> (5.764404e-05)
	5	9.983130e-01 <sup>1</sup> 0# (8.472281e-04)	9.985335e-01 <sup>7</sup> # (1.151600e-04)	9.985888e-01 <sup>5</sup> (7.025201e-05)	9.986198e-01 <sup>3</sup> (7.672878e-05)	9.985613e-01 <sup>6</sup> # (1.017802e-04)	9.983651e-01 <sup>9</sup> (7.820489e-04)	9.986165e-01 <sup>4</sup> (7.236752e-05)	9.982407e-01 <sup>1</sup> # (7.985893e-04)	9.984438e-01 <sup>8</sup> (6.113586e-04)	9.986219e-01 <sup>2</sup> (4.237309e-05)	9.986377e-01 <sup>1</sup> (7.179907e-05)	
	6	9.994048e-01 <sup>8</sup> (2.683346e-04)	9.994637e-01 <sup>3</sup> (1.733080e-04)	9.994861e-01 <sup>2</sup> (9.801332e-05)	9.994887e-01 <sup>1</sup> (8.801332e-05)	9.992457e-01 <sup>1</sup> 1 (5.687589e-04)	9.994191e-01 <sup>4</sup> (2.189017e-04)	9.993881e-01 <sup>9</sup> (5.219662e-04)	9.993325e-01 <sup>1</sup> 0 (5.090781e-04)	9.994063e-01 <sup>7</sup> (4.362809e-04)	9.994139e-01 <sup>5</sup> (3.390586e-04)	9.994094e-01 <sup>6</sup> (6.509890e-04)	
	7	9.945803e-01 <sup>1</sup> 0# (1.593940e-02)	9.983252e-01 <sup>8</sup> # (4.340426e-03)	9.967196e-01 <sup>9</sup> # (9.323702e-03)	9.997228e-01 <sup>4</sup> # (1.234182e-04)	9.932722e-01 <sup>1</sup> 1 (1.548890e-02)	9.996841e-01 <sup>6</sup> (2.966522e-04)	9.996948e-01 <sup>5</sup> (2.979110e-04)	9.996570e-01 <sup>7</sup> (2.793637e-04)	9.997477e-01 <sup>3</sup> (1.503517e-04)	9.997836e-01 <sup>1</sup> (9.469664e-05)	9.997814e-01 <sup>2</sup> (1.118959e-04)	
DTLZ2	2	3.211126e+00 <sup>1</sup> 1# (4.925715e-05)	3.211150e+00 <sup>7</sup> (3.541014e-05)	3.211165e+00 <sup>3</sup> (5.099553e-05)	3.211146e+00 <sup>8</sup> (3.289529e-05)	3.211167e+00 <sup>2</sup> (2.278986e-05)	3.211169e+00 <sup>1</sup> (2.930851e-05)	3.211156e+00 <sup>6</sup> (1.671360e-05)	3.211159e+00 <sup>4</sup> (2.526064e-05)	3.211157e+00 <sup>5</sup> (1.864761e-05)	3.211142e+00 <sup>9</sup> # (2.107025e-05)	3.211135e+00 <sup>1</sup> 0# (1.371496e-05)	
	3	7.420452e+00 <sup>1</sup> 1# (1.090789e-03)	7.421833e+00 <sup>9</sup> # (5.214033e-04)	7.422530e+00 <sup>8</sup> # (8.367538e-04)	7.423038e+00 <sup>8</sup> # (5.710954e-04)	7.423366e+00 <sup>7</sup> # (3.722388e-04)	7.423478e+00 <sup>9</sup> (2.692730e-04)	7.423699e+00 <sup>1</sup> (3.154754e-04)	7.423647e+00 <sup>3</sup> (2.452482e-04)	7.423527e+00 <sup>4</sup> (6.213127e-04)	7.423527e+00 <sup>5</sup> (5.993484e-04)	7.423649e+00 <sup>2</sup> (3.670034e-04)	
	4	1.555123e+01 <sup>1</sup> 1# (3.470943e-03)	1.556201e+01 <sup>1</sup> 0# (3.116947e-03)	1.556635e+01 <sup>9</sup> # (2.407284e-03)	1.556944e+01 <sup>8</sup> # (1.176194e-03)	1.557039e+01 <sup>6</sup> (2.407272e-03)	1.557083e+01 <sup>2</sup> (1.050727e-03)	1.557078e+01 <sup>4</sup> (7.358714e-04)	1.557095e+01 <sup>1</sup> (7.480530e-04)	1.557000e+01 <sup>7</sup> # (7.358714e-04)	1.557082e+01 <sup>3</sup> (1.148961e-03)	1.557040e+01 <sup>5</sup> (1.157636e-03)	
	5	3.157355e+01 <sup>1</sup> 1# (2.104688e-02)	3.160761e+01 <sup>1</sup> 0# (8.380521e-03)	3.164219e+01 <sup>9</sup> # (8.869501e-03)	3.166270e+01 <sup>8</sup> # (3.570317e-03)	3.166827e+01 <sup>7</sup> # (8.869501e-03)	3.166913e+01 <sup>5</sup> (1.803857e-03)	3.166930e+01 <sup>1</sup> (1.414545e-03)	3.166928e+01 <sup>3</sup> (1.945011e-03)	3.166911e+01 <sup>6</sup> (1.265094e-03)	3.166935e+01 <sup>2</sup> (1.941546e-03)	3.166927e+01 <sup>4</sup> (1.878488e-03)	
	6	6.347544e+01 <sup>1</sup> 1# (6.614526e-02)	6.356662e+01 <sup>1</sup> 0# (3.585275e-02)	6.362324e+01 <sup>9</sup> # (2.168181e-02)	6.368913e+01 <sup>8</sup> # (2.502170e-02)	6.373584e+01 <sup>7</sup> # (2.542950e-03)	6.373767e+01 <sup>4</sup> (2.488896e-03)	6.373693e+01 <sup>5</sup> (1.862287e-03)	6.373611e+01 <sup>6</sup> (2.642104e-03)	6.373822e+01 <sup>2</sup> (2.015508e-03)	6.373842e+01 <sup>1</sup> (2.543227e-03)	6.373802e+01 <sup>3</sup> (1.955843e-03)	
	7	1.130190e+02 <sup>1</sup> 1# (3.799543e+01)	1.269320e+02 <sup>9</sup> # (2.219909e-01)	1.272484e+02 <sup>7</sup> # (2.399275e-01)	1.272087e+02 <sup>6</sup> # (4.056719e-01)	1.257849e+02 <sup>1</sup> 0# (3.703202e+00)	1.273822e+02 <sup>8</sup> # (6.203562e-01)	1.275757e+02 <sup>5</sup> # (2.123829e-01)	1.277061e+02 <sup>4</sup> # (7.621296e-02)	1.277099e+02 <sup>2</sup> (7.865531e-02)	1.277099e+02 <sup>3</sup> (1.249288e-01)	1.277608e+02 <sup>1</sup> (3.289262e-02)	
DTLZ3	2	3.199758e+00 <sup>1</sup> 0 (8.094090e-03)	3.201541e+00 <sup>5</sup> (6.370895e-03)	3.201467e+00 <sup>6</sup> (7.574825e-03)	3.204273e+00 <sup>2</sup> (4.569669e-03)	3.199536e+00 <sup>1</sup> (9.584408e-03)	3.201274e+00 <sup>7</sup> (5.045829e-03)	3.200960e+00 <sup>9</sup> (5.428351e-03)	3.200970e+00 <sup>8</sup> # (4.711690e-03)	3.204039e+00 <sup>3</sup> (4.044905e-03)	3.205431e+00 <sup>1</sup> (3.001777e-03)	3.201795e+00 <sup>4</sup> (6.136937e-03)	
	3	7.392184e+00 <sup>1</sup> 0# (1.685316e-02)	7.400334e+00 <sup>7</sup> (1.019627e-02)	7.392408e+00 <sup>9</sup> # (1.307042e-02)	7.390249e+00 <sup>1</sup> 1# (1.979233e-02)	7.400343e+00 <sup>6</sup> # (9.061066e-03)	7.392634e+00 <sup>8</sup> # (1.693382e-02)	7.400660e+00 <sup>5</sup> (2.350284e-02)	7.404660e+00 <sup>2</sup> (2.350284e-02)	7.407574e+00 <sup>4</sup> (9.798206e-02)	7.402778e+00 <sup>1</sup> (1.126553e-02)	7.403478e+00 <sup>3</sup> (9.625655e-03)	
	4	1.544610e+01 <sup>1</sup> 0# (8.811522e-02)	1.547380e+01 <sup>9</sup> # (4.946119e-02)	1.550173e+01 <sup>8</sup> # (3.757098e-02)	1.551564e+01 <sup>7</sup> # (2.338591e-02)	1.481737e+01 <sup>1</sup> (2.293433e-02)	1.553424e+01 <sup>3</sup> (2.459524e-02)	1.552815e+01 <sup>5</sup> (2.105145e-02)	1.552924e+01 <sup>4</sup> (3.112289e-02)	1.552335e+01 <sup>6</sup> (2.105145e-02)	1.553709e+01 <sup>1</sup> (1.584904e-02)	1.553564e+01 <sup>2</sup> (2.448191e-02)	
	5	3.141834e+01 <sup>9</sup> # (1.318379e-01)	3.146147e+01 <sup>8</sup> # (1.504621e-01)	3.006963e+01 <sup>1</sup> 1# (4.527542e+00)	3.154970e+01 <sup>6</sup> # (5.990440e-02)	3.155053e+01 <sup>7</sup> # (5.130333e-02)	3.015757e+01 <sup>1</sup> 0# (4.321846e+00)	3.153202e+01 <sup>1</sup> # (5.757456e-02)	3.157691e+01 <sup>3</sup> (5.354411e-02)	3.160482e+01 <sup>1</sup> (2.657470e-02)	3.156228e+01 <sup>4</sup> (8.307702e-02)	3.160315e+01 <sup>2</sup> (2.600668e-02)	
	6	6.324117e+01 <sup>1</sup> (2.875719e-01)	6.230040e+01 <sup>2</sup> (3.242486e+00)	5.299494e+01 <sup>8</sup> (2.197536e+01)	3.772970e+01 <sup>1</sup> 1 (2.905959e+01)	5.374567e+01 <sup>7</sup> (2.044415e+01)	4.831458e+01 <sup>1</sup> 0 (2.660618e+01)	5.447253e+01 <sup>6</sup> (2.077659e+01)	5.709569e+01 <sup>4</sup> (2.006218e+01)	5.192446e+01 <sup>9</sup> (2.435917e+01)	6.007040e+01 <sup>3</sup> (6.896044e+00)	5.692968e+01 <sup>5</sup> (1.793451e+01)	
	7	7.605746e+01 <sup>3</sup> (5.789871e+01)	3.203618e+01 <sup>8</sup> (5.249914e+01)	2.709172e+01 <sup>1</sup> 0 (5.274643e+01)	6.955848e+01 <sup>4</sup> (6.245022e+01)	3.034278e+01 <sup>9</sup> (5.188384e+01)	4.455308e+01 <sup>7</sup> (5.849302e+01)	7.663320e+01 <sup>2</sup> (5.925175e+01)	5.583931e+01 <sup>6</sup> (6.272032e+01)	5.583110e+01 <sup>5</sup> (6.202558e+01)	1.036674e+01 <sup>1</sup> 1# (2.261808e+01)	7.769584e+01 <sup>1</sup> (6.027053e+01)	
DTLZ4	2	2.847790e+00 <sup>1</sup> 0 (5.850310e-01)	2.847785e+00 <sup>1</sup> 1 (5.850271e-01)	2.847791e+00 <sup>9</sup> (5.850311e-01)	2.847806e+00 <sup>3</sup> (5.850414e-01)	2.847811e+00 <sup>2</sup> (5.850385e-01)	2.847801e+00 <sup>5</sup> (5.850384e-01)	2.847798e+00 <sup>7</sup> (5.850384e-01)	2.847801e+00 <sup>6</sup> (5.850384e-01)	2.847814e+00 <sup>1</sup> (5.850470e-01)	2.847802e+00 <sup>4</sup> (5.850392e-01)	2.847794e+00 <sup>8</sup> (5.850335e-01)	
	3	6.667975e+00 <sup>8</sup> (1.067691e+00)	6.668173e+00 <sup>7</sup> (1.068056e+00)	6.668901e+00 <sup>5</sup> (1.068448e+00)	6.668854e+00 <sup>6</sup> (1.068396e+00)	6.669148e+00 <sup>2</sup> (1.068627e+00)	6.668924e+00 <sup>4</sup> (1.068498e+00)	6.661527e+00 <sup>9</sup> (1.071661e+00)	6.659868e+00 <sup>1</sup> 0 (1.071661e+00)	6.659402e+00 <sup>1</sup> (1.071782e+00)	6.669012e+00 <sup>3</sup> (1.068759e+00)	6.669487e+00 <sup>1</sup> (1.068877e+00)	
	4	1.466324e+01 <sup>7</sup> (1.281654e+00)	1.461470e+01 <sup>8</sup> (1.253975e+00)	1.467355e+01 <sup>6</sup> (1.287662e+00)	1.467549e+01 <sup>4</sup> (1.291108e+00)	1.467439e+01 <sup>5</sup> (1.290247e+00)	1.460098e+01 <sup>1</sup> 1 (1.254065e+00)	1.460112e+01 <sup>1</sup> 0 (1.254375e+00)	1.467525e+01 <sup>3</sup> (1.290911e+00)	1.460158e+01 <sup>9</sup> (1.254577e+00)	1.467549e+01 <sup>2</sup> (1.291095e+00)	1.467515e+01 <sup>4</sup> (1.290831e+00)	
	5	3.116590e+01 <sup>1</sup> 1 (6.059162e-01)	3.116905e+01 <sup>1</sup> 0 (6.176583e-01)	3.118109e+01 <sup>8</sup> (6.302384e-01)	3.118324e+01 <sup>9</sup> (6.403112e-01)	3.119789e+01 <sup>6</sup> (6.526805e-01)	3.120013e+01 <sup>4</sup> (6.420190e-01)	3.119929e+01 <sup>5</sup> (6.422866e-01)	3.119074e+01 <sup>7</sup> (6.450434e-01)	3.120486e+01 <sup>3</sup> (6.383322e-01)	3.123761e+01 <sup>1</sup> (6.700381e-01)	3.120695e+01 <sup>2</sup> (6.384107e-01)	
	6	6.251018e+01 <sup>1</sup> 1 (1.276468e+00)	6.252286e+01 <sup>8</sup> (1.293751e+00)	6.251573e+01 <sup>1</sup> 0 (1.278375e+00)	6.251538e+01 <sup>2</sup> (1.287567e+00)	6.252368e+01 <sup>1</sup> (1.288702e+00)	6.252368e+01 <sup>6</sup> (1.289921e+00)	6.252384e+01 <sup>9</sup> (1.285359e+00)	6.252384e+01 <sup>4</sup> (1.290088e+00)	6.252363e+01 <sup>7</sup> (1.289873e+00)	6.252371e+01 <sup>5</sup> (1.289957e+00)	6.252489e+01 <sup>3</sup> (1.291190e+00)	
	7	1.243949e+02 <sup>1</sup> 1 (3.461988e+00)	1.245147e+02 <sup>7</sup> (3.560721e+00)	1.244333e+02 <sup>1</sup> 0 (3.500858e+00)	1.244966e+02 <sup>8</sup> (3.545074e+00)	1.245198e+02 <sup>6</sup> (3.560653e+00)	1.245363e+02 <sup>5</sup> (3.581039e+00)	1.244936e+02 <sup>9</sup> (3.545766e+00)	1.245584e+02 <sup>1</sup> (3.601319e+00)	1.245641e+02 <sup>1</sup> (3.606872e+00)	1.245623e+02 <sup>3</sup> (3.605141e+00)	1.245628e+02 <sup>2</sup> (3.605625e+00)	
DTLZ5	2	3.211126e+00 <sup>1</sup> 1# (4.925715e-05)	3.211150e+00 <sup>7</sup> (3.541014e-05)	3.211165e+00 <sup>3</sup> (5.099553e-05)	3.211146e+00 <sup>8</sup> (3.289529e-05)	3.211167e+00 <sup>2</sup> (2.278986e-05)	3.211169e+00 <sup>1</sup> (2.930851e-05)	3.211156e+00 <sup>6</sup> (1.671360e-05)	3.211159e+00 <sup>4</sup> (2.526064e-05)	3.211157e+00 <sup>5</sup> (1.864761e-05)	3.211142e+00 <sup>9</sup> # (2.107025e-05)	3.211135e+00 <sup>1</sup> 0# (1.371496e-05)	
	3	6.104044e+00 <sup>9</sup> (2.558686e-04)	6.104197e+00 <sup>8</sup> (1.689433e-04)	6.104000e+00 <sup>1</sup> 1# (1.372815e-04)	6.104140e+00 <sup>2</sup> (2.437170e-04)	6.104017e+00 <sup>1</sup> 0 (3.046025e-04)	6.104113e+00 <sup>4</sup> (2.366874e-04)	6.104062e+00 <sup>8</sup> (1.870497e-04)	6.104127e+00 <sup>5</sup> (2.609487e-04)	6.104111e+00 <sup>5</sup> (2.503371e-04)	6.104104e+00 <sup>6</sup> (2.815299e-04)	6.104072e+00 <sup>7</sup> (2.148859e-04)	
	4	1.171822e+01 <sup>7</sup> (4.850199e-02)	1.168188e+01 <sup>1</sup> 1# (4.424326e-02)	1.171162e+01 <sup>1</sup> 0 (4.631325e-02)	1.171469e+01 <sup>9</sup> # (3.275379e-02)	1.171756e+01 <sup>8</sup>							