

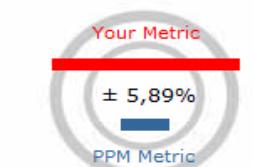
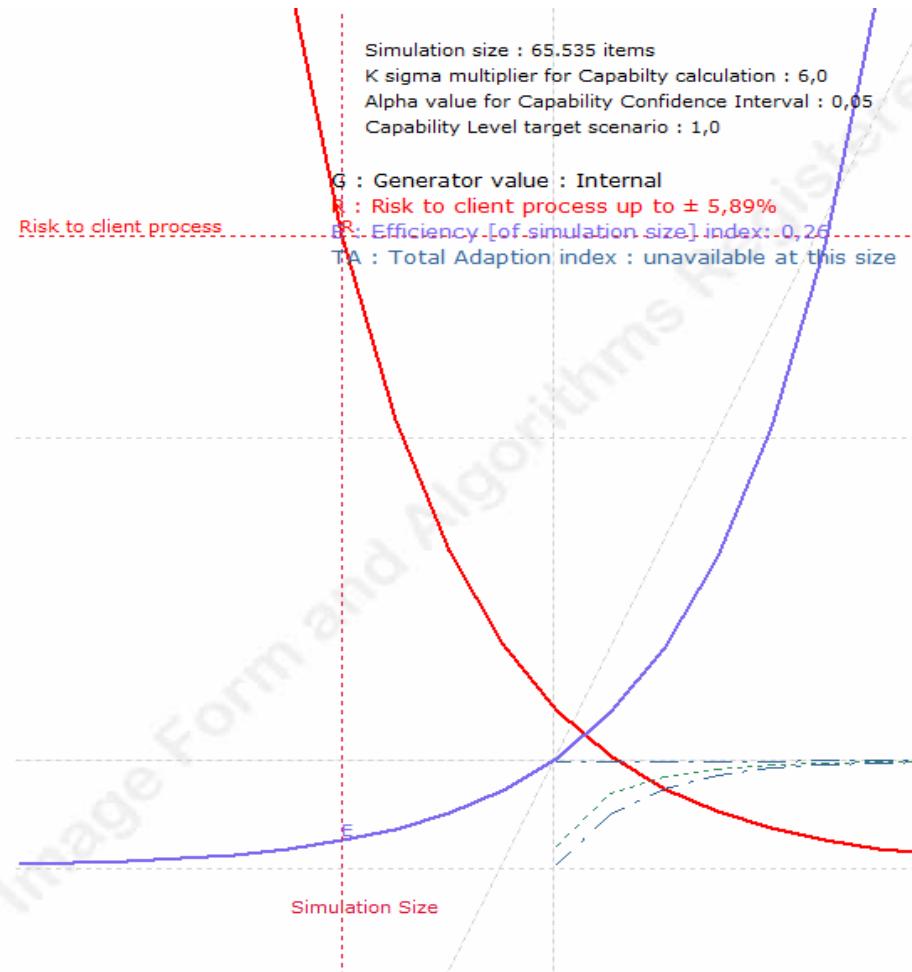


The Dalmatian Test version
Comparison Study
Data-File

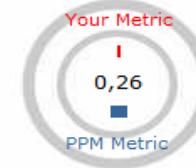
1.00.04.18 [32 bit]
Normal_64_kB
not saved

Is My Edition

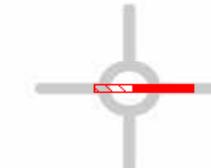
G.r.e.t.a p&ss graph - Power and Sample Size for Montecarlo Simulation



Unit Resolution Plot



Efficiency Plot



Expected Bias Value
and Sundog event probability



Required Memory [32 bit]



This Comparison Study	
Generator	Normal Distribution
Seed value	Mersenne Twister 2002 Box-Muller
Simulated Items	Internal 65.535
K sigma multiplier for capability calculation	6,00
Alpha value for Capability CI	0,05
nearTrue extended range	disabled
Unit In-Metric Test value [%]	auto CI
Simulation size Efficiency index	0,26
Total Adaption index	unavailable at this size
Memory peak in this Win32 process [MB]	1,00
Residual and available Win32 memory [%]	99,95%
Total Time for this Comparison calculation [s]	0,05

Data Entry Summary	[A] Normal	[B] Normal	[C] Normal	[D] Normal	[E] Normal	[F] $d[0.5*x^2]/dx$
Data Distributed as						
1* Par Value	0	0	0	0	0	0
2* Par Value	1	1	1	1	1	1
3* Par Value						
4* Par Value						
Lower Spec Limit	-3	-3	-3	-3	-3	-3
Upper Spec Limit	3	3	3	3	3	3

Moment Values	[A] Master	[B] Brute Normal	[C] ISO D_ID	[D] Bothe D_ID	[E] LuLu	[F] $d[0.5*x^2]/dx$
Procedure						
Moment 1 - [Mean]	0	-0,000549	-0,000549	-0,000549	0	0
Bias		-0,000549	-0,000549	-0,000549		
Sqrt(Moment 2) - [Standard Deviation]	1	1,002516	1,002516	1,002516	1	1
Bias		0,002516	0,002516	0,002516		
Moment 3 - [Skewness]	0	-0,019943	-0,019943	-0,019943	0	0
Bias		-0,019943	-0,019943	-0,019943		
Moment 4 - [Kurtosis]	0	0,015861	0,015861	0,015861	0	0
Bias		0,015861	0,015861	0,015861		
Moment 2 - [Variance]	1	1,005038	1,005038	1,005038	1	1
Bias		0,005038	0,005038	0,005038		
Coefficient of Variability	Infinite	-1824,794532	-1824,794532	-1824,794532	Infinite	Infinite
Mean Standard Error		0,003916	0,003916	0,003916		

Distribution Identification Cycle	[A]	[B]	[C]	[D]	[E]	[F]
D(1)_ID - Kolmogorov-Smirnov	0	0,005313		0,003028	0,003028	



Calculated parameters i.e. Output to Client Process		L	U	[A] Theo	[B] Normal	[C] ISO D_ID	[D] Bothe D_ID	[E] LuLu	[F] Normal
Capability Algorithm				1	0,997308 -0,002692	0,997308 -0,002692	0,997308 -0,002692		1 0
PpK				1	0,997308 -0,002692	0,997308 -0,002692	0,997308 -0,002692		1 0
Bias					false	false	false		
PpK - Metric Test		0,998468	1,001532						true
PpL				1	0,997308 -0,002692	0,997308 -0,002692	0,997308 -0,002692		1 0
Bias					false	false	false		
PpL - Metric Test		0,998468	1,001532						true
PpU				1	0,997673 -0,002327	0,997673 -0,002327	0,997673 -0,002327		1 0
Bias					false	false	false		
PpU - Metric Test		0,998468	1,001532						true
Pp				1	0,99749 -0,00251	0,99749 -0,00251	0,99749 -0,00251		1 0
Bias					false	false	false		
Pp - Metric Test		0,998614	1,001385						true
L-OofS				1349,898032	1386,129033 36,231001	1386,129033 36,231001	1386,129033 36,231001		1349,898032 0
Bias					false	false	false		
L-OofS - Metric Test	[auto CI]	1329,666812	1370,410163						true
L-OofS - Metric % Variation	[auto CI]	-1,50%	1,52%		2,68%	2,68%	2,68%		0,00%
U-OofS				1349,898032	1381,160849 31,262818	1381,160849 31,262818	1381,160849 31,262818		1349,898032 0
Bias					false	false	false		
U-OofS - Metric Test	[auto CI]	1329,666812	1370,410163						true
U-OofS - Metric % Variation	[auto CI]	-1,50%	1,52%		2,32%	2,32%	2,32%		0,00%
OofS				2699,796063	2767,289882 67,493819	2767,289882 67,493819	2767,289882 67,493819		2699,796063 0
Bias					false	false	false		
OofS - Metric Test	[auto CI]	2659,333624	2740,820326						true
OofS - Metric % Variation	[auto CI]	-1,50%	1,52%		2,50%	2,50%	2,50%		0,00%



BenchMark of Procedures	[A] Master	[B] Brute Normal	[C] ISO D_ID	[D] Bothe D_ID	[E] LuLu	[F] $d[0.5*x^2]/dx$
Procedure						
Common statistical calculation [s]					0,014825	
15 times the Kolmogorov-Smirnov cycle time for the identification of a unknown dataset (unknown master) [s]					0,356047	
Procedure Capability Algorithm [s]					0,000007	
Estimated total Time [s] using Intel(R) Core(TM) i7-6700HQ CPU @ 2.60GHz					0,370879	
 <p>KS algorithm is used in this tool mainly to get the relative computing time in D_ID Cycle, without additional memory requirement. Note that if you use a different algorithm in the D_ID loop, the time and memory needed for GoF will increase significantly. (or alternatively the simulation size must be reduced) The absolute speed is instead a function of the performance and characteristics of used generator (NtRand © 3.3. in our case)</p>						

Procedure comparison at same Win32 memory

