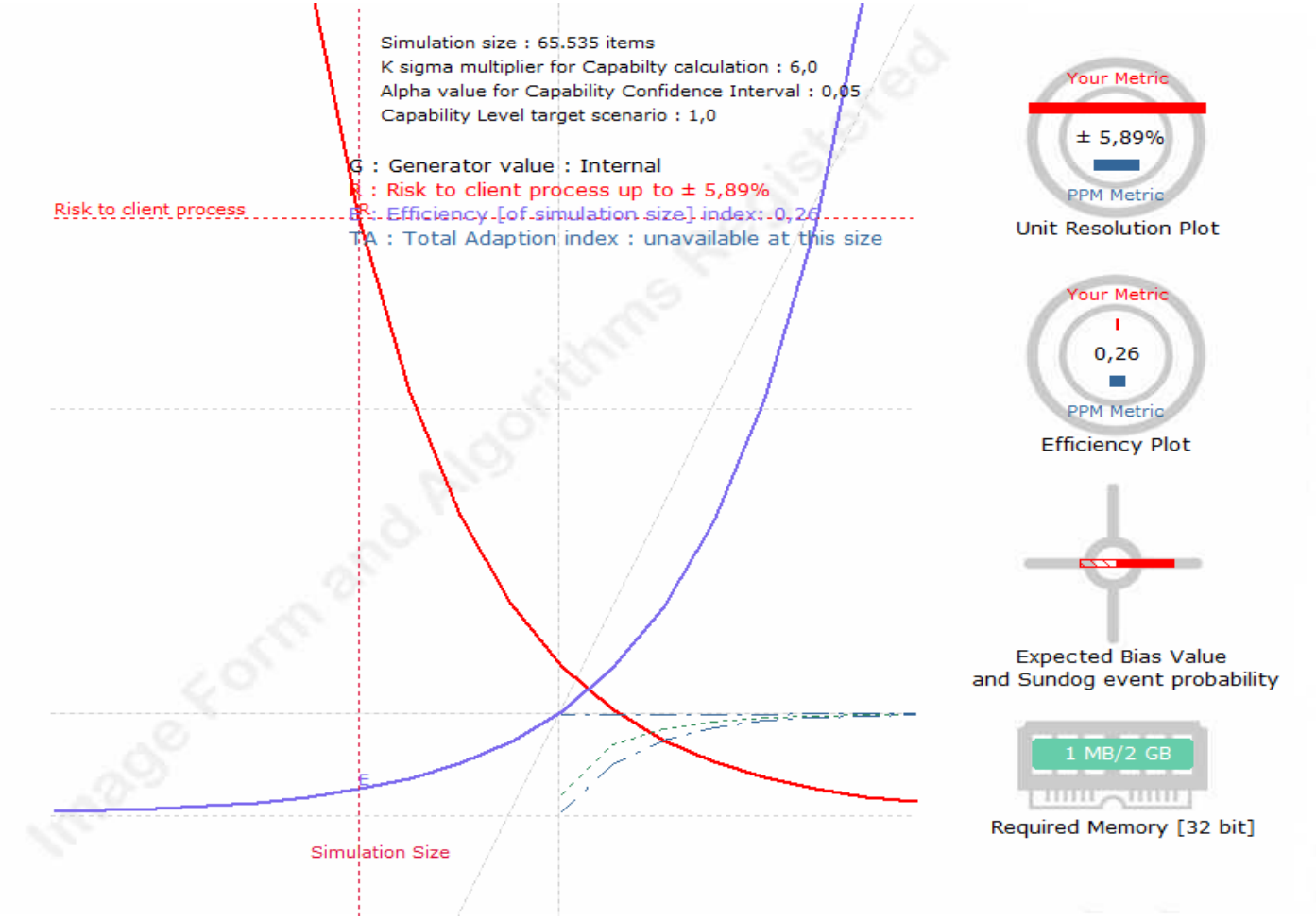
The Dalmatian Test version	1.00.04.18	[32 bit]	Registered pro edition	Is My Edition
Comparison Study	Triangular_64_kB			
Data-File	not saved			

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



This Comparison Study	Triangular Distribution
Generator	Mersenne Twister 2002
Seed value	Internal
Simulated Items	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]	[B]	[C]	[D]	[E]	[F]
Data Distributed as	Triangular	Triangular	Triangular	Triangular	Triangular	d[0.5*x^2]/dx
1* Par Value	1,083485	1,083485	1,083485	1,083485		1,083485
2* Par Value	2,916515	2,916515	2,916515	2,916515		2,916515
3* Par Value	1,4	1,4	1,4	1,4		1,4
4* Par Value						
Lower Spec Limit	1,2	1,2	1,2	1,2		1,2
Upper Spec Limit	2,7	2,7	2,7	2,7		2,7

Moment Values	[A]	[B]	[C]	[D]	[E]	[F]
Procedure	Master	Brute Normal	ISO D_ID	Bothe D_ID	LuLu	d[0.5*x^2]/dx
Moment 1 - [Mean]	1,8	1,800205	1,800205	1,800205		1,8
Bias		0,000205	0,000205	0,000205		
Sqrt(Moment 2) - [Standard Deviation]	0,4	0,399497	0,399497	0,399497		0,4
Bias		-0,000503	-0,000503	-0,000503		
Moment 3 - [Skewness]	0,5	0,502903	0,502903	0,502903		0,5
Bias		0,002903	0,002903	0,002903		
Moment 4 - [Kurtosis]	-0,6	-0,578893	-0,578893	-0,578893		-0,6
Bias		0,021107	0,021107	0,021107		
Moment 2 - [Variance]	0,16	0,159598	0,159598	0,159598		0,16
Bias		-0,000402	-0,000402	-0,000402		
Coefficient of Variability	0,222222	0,221918	0,221918	0,221918		0,222222
Mean Standard Error		0,001561	0,001561	0,001561		

Distribution Identification Cycle			[A]	[B]	[C]	[D]	[E]	[F]
D(1)_ID - Kolmogorov-Smirnov	0	0,005313			0,002762	0,002762		

Calculated parameters i.e. Output to Client Process Capability Algorithm		L	U	[A] Theo	[B] Normal	[C] ISO D_ID	[D] Bothe D_ID	[E] LuLu	[F] Normal
PpK				0,662707	0,5008	0,861478	0,669621		-0,013317
Bias					-0,161907	0,198771	0,006914		-0,676024
PpK - Metric Test		0,66158	0,663834		false	false	false		false
PpL				0,662707	0,5008	0,864082	0,669621		-0,013317
Bias					-0,161907	0,201375	0,006914		-0,676024
PpL - Metric Test		0,66158	0,663834		false	false	false		false
PpU				0,70777	0,750773	0,861478	0,708307		0,184754
Bias					0,043003	0,153708	0,000538		-0,523015
PpU - Metric Test		0,706591	0,708948		false	false	true		false
Pp				0,685238	0,625786	0,862409	0,688964		0,085719
Bias					-0,059452	0,177171	0,003726		-0,59952
Pp - Metric Test		0,684288	0,686188		false	false	false		false
L-OofS				23399,17736	66496,84036	4767,5866	22275,90284		515933,5548
Bias					43097,663	-18631,59076	-1123,274524		492534,3774
L-OofS - Metric Test	[auto CI]	23212,86724	23586,74417		false	false	false		false
L-OofS - Metric % Variation	[auto CI]	-0,80%	0,80%		184,18%	-79,63%	-4,80%		2104,92%
U-OofS				16863,98268	12151,09451	4876,960701	16796,56571		289699,5856
Bias					-4712,88817	-11987,02198	-67,416971		272835,6029
U-OofS - Metric Test	[auto CI]	16716,49486	17012,5819		false	false	true		false
U-OofS - Metric % Variation	[auto CI]	-0,87%	0,88%		-27,95%	-71,08%	-0,40%		1617,86%
OofS				40263,16004	78647,93487	9644,547301	39072,46854		805633,1404
Bias					38384,77483	-30618,61274	-1190,691494		765369,9804
OofS - Metric Test	[auto CI]	39929,3621	40599,32607		false	false	false		false
OofS - Metric % Variation	[auto CI]	-0,83%	0,83%		95,33%	-76,05%	-2,96%		1900,92%

BenchMark of Procedures	[A]	[B]	[C]	[D]	[E]	[F]
Procedure	Master	Brute Normal	ISO D_ID	Bothe D_ID	LuLu	d[0.5*x^2]/dx
Common statistical calculation [s]				0,013496		
15 times the Kolmogorov-Smirnov cycle time for the identification of a unknown dataset (unknown master) [s]				0,320029		
Procedure Capability Algorithm [s]				0,000008		
Estimated total Time [s] using Intel(R) Core(TM) i7-6700HQ CPU @ 2.60GHz				0,333533		

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)