A Bibliography of Publications of George Marsaglia

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Abstract
This bibliography records publications of George Marsaglia.

Title word cross-reference

rank(A + B) = rank(A) + rank(B) [77]. t [91]. Tan⁻¹(λ) [11]. X + Y, X/Y [103].
*good* [138].
-bit [172]. -distribution [91].
2011 [203]. 20th [196, 197].
42 [79, 80].

64-bit [138, 146].

= [191].


Distributions [17, 20, 162]. Diverted [42]. does [77]. Dose [42, 52, 50]. DUPER [78]. during [50, 52].
fourth [189]. fractional [125]. Function [60, 15, 100, 121]. Functions [3, 60, 66, 188, 189, 70, 95].
Gamma [128, 84, 88, 103, 134]. Gaussian [112]. General [7, 6, 57].
July [190]. June [188]. Jury [137].
quadratic [6, 10]. Query [64].


WA [203].

Xorshift [145, 144, 179, 187].

Zaman [173]. Ziggurat [178, 135, 176].

References


REFERENCES


[11] George Marsaglia. Tables of $1/2\pi\tan^{-1}(\lambda)$ and $\tan^{-1}(\lambda)$ for $\lambda = .0001, .0002, \ldots, .9999$, with some remarks on their use in finding the normal probability measure of polygonal regions. Report D1-82-0078, Boeing Scientific Research Laboratories, Seattle, WA, USA, ??1960. ?? pp.


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[54] George Marsaglia. Still another method for producing normal variables in a computer. Mathematical note ??, Boeing Scientific Research Labora-
REFERENCES


REFERENCES

Journal of Laboratory and Clinical Medicine, 63(3):370–381, March 1967. CODEN JLCMAK. ISSN 0022-2143 (print), 1532-6543 (electronic).

Marsaglia:1968:OLRa


Marsaglia:1968:OLRb


Marsaglia:1968:QPR


Marsaglia:1968:RNF


Marsaglia:1969:OSA


Marsaglia:1969:RCR

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Marsaglia:1972:CPS


Marsaglia:1972:SLC


Marsaglia:1972:WD


Marsaglia:1973:HUM


Marsaglia:1974:APRa


Marsaglia:1974:APRb


Marsaglia:1974:EIR


[89] Karl Skarberg, Mary Eng, Helmut Huebers, George Marsaglia, and Clement Finch. Plasma radioliron kinetics in man: explanation for the


REFERENCES


Marsaglia:1993:TCR


Marsaglia:1994:MAR


Marsaglia:1994:REI


Marsaglia:1994:SPV


Marsaglia:1994:YAR


Marsaglia:1995:MRN


Marsaglia:1995:RVI


Marsaglia:1996:DBT

Marsaglia:1997:RNG

George Marsaglia. A random number generator for C. Posted to the sci.math.num-analysis news group, September 29, 1997. URL http://mathforum.org/kb/thread.jspa?messageID=1607565. From the posting: “Keep the following six lines of code somewhere in your files. #define znew ((z=36969*(z&65535)+(z>>16))<<16) #define wnew ((w=18000*(w&65535)+(w>>16))&65535) #define IUNI (znew+wnew) #define UNI (znew+wnew)*4.656613e-10 static unsigned long z=362436069, w=521288629; void setseed(unsigned long i1,unsigned long i2) z=i1; w=i2; Whenever you need random integers or random reals in your C program, just insert those six lines at (near?) the beginning of the program. In every expression where you want a random real in [0,1) use UNI, or use IUNI for a random 32-bit integer. No need to mess with ranf() or ranf(lastI), etc, with their requisite overheads. Choices for replacing the two multipliers 36969 and 18000 are given below. Thus you can tailor your own in-line multiply-with-carry random number generator.”.

Marsaglia:1998:MPMa


Marsaglia:1998:MPMb


Marsaglia:1999:RNC

REFERENCES


[133] George Marsaglia. The monster, A random number generator with period over $10^{2857}$ times as long as the previously touted longest-period one. Technical report ??, Florida State University, Tallahassee, FL, USA, ???. 2000.


REFERENCES

URL http://groups.google.ws/group/comp.sys.sun.admin/browse_thread/thread/683ff52120e5b4d/b53ccad5aa5d6017.


shift generators and the well-understood linear feedback shift register generators. See also [184, 185, 186] for the failure of Marsaglia’s xorwow() generator from this paper. See [179, 187] for detailed analysis.

Brent:2004:NMX


Marsaglia:2004:BURa


Marsaglia:2004:EAD


Marsaglia:2004:END


Marsaglia:2004:FGD


Marsaglia:2005:MGF

REFERENCES


REFERENCES

Coveyou:1967:FA

VanGelder:1967:SNR

Westlake:1967:URN

Whittlesey:1969:LEM

Pokhodzei:1983:OMM

Retter:1984:CMM

Retter:1985:KSA

Eichenauer:1988:MLTb
REFERENCES


Jaroslav Kožešník, editor. Transactions of the fourth Prague conference on information theory, statistical decision functions, random processes, held at Prague, from August 31 to September 11, 1965. Academia, Prague, Czechoslovakia, 1967. LCCN ????

Zarem:1972:ANT


Saleh:1975:PSS


Ralston:1976:ECS


Ralston:1983:ECS


Billard:1985:CSS


Wegman:1988:CSS


Wegman:1988:SIC

REFERENCES


Gleser:1989:CPS


Burr:1992:UEN


Grassberger:1993:CGR


Ralston:1993:ECS


Ralston:2003:ECS


Lathrop:2011:SPI