Abstract
This bibliography records publications of George Marsaglia.

Title word cross-reference

1, 2, 3 [184]. $1/2\pi\tan^{-1}(\lambda)$ [11]. $10^{2857}$ [133]. $10^{40}$ million [155]. 64 [172]. $A$ [28, 29]. $A + B$ [28, 29]. $\Gamma$ [100]. $n!$ [107]. $\pi$ [180].

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WA [203].

Xorshift [145, 144, 179, 187].

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

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Marsaglia:1968:OLRa


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Marsaglia:1993:K

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Marsaglia:1993:RNG

Marsaglia:1993:SIS
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URL http://euler.bd.psu.edu/~naras/diehard/snapshots.html;
http://stat.fsu.edu/~geo/.


```
#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.”.


[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.


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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]

[145] Richard P. Brent. Note on Marsaglia’s xorshift random number genera-
See [144, 179, 187]. This article shows the equivalence of xorshift generators and the well-understood linear feedback shift register generators.

[Marsaglia:2004:BURa]

[146] George Marsaglia and Wai Wan Tsang. The 64-bit universal RNG. *Statistics 

[Marsaglia:2004:EAD]

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