

A Bibliography of Publications of *George Marsaglia*

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07 July 2025
Version 1.80

Abstract

This bibliography records publications of George Marsaglia.

Title word cross-reference

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

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- ```
#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 ev-
ery 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 multipli-
ers 36969 and 18000 are given below. Thus you can tailor your own in-line
multiply-with-carry random number generator.”.
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ACM Press and IEEE Computer Society Press, New York, NY 10036,  
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