

Version 2.0: Written by Gregor N. Purdy.
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Gaussian

INHERITS FROM

Random

CLASS DESCRIPTION

The Gaussian class provides Gaussian random variables.

This class is part of Version 2.0 of Random, distributed 1992 May 29.

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INSTANCE VARIABLES

Declared in Gaussian

BOOL iset;
double gset;
double gscale;
double gorigin;

iset	Flag indicating absence or presence of saved value
gset	Saved value, if any
gscale	The scaling factor for the numbers
gorigin	The point around which the distribution will be centered

METHOD TYPES

Creating and freeing instances	+ alloc - free
Getting and setting parameters	- gOrigin

- gScale
- setGOrigin:
- setGScale:

Getting a Gaussian random variable - gaussian

Archiving

- read:
- write:

CLASS METHODS

alloc

+ **alloc**

Returns a new uninitialized instance.

INSTANCE METHODS

free

- **free**

Frees the memory occupied by the Gaussian instance and returns **nil**.

gaussian

- (double)**gaussian**

Returns one random Gaussian value.

gOrigin

- (double)**gOrigin**

Returns the center of the Gaussian distribution.

gScale

- (double)**gScale**

Returns the spread of the Gaussian distribution.

read:

- **read:**(NXTypedStream *)*stream*

Unarchives a DieRoller from *stream*.

See also: - **write:**

setGOrigin:

- **setGOrigin:**(double)*anOrigin*

Sets the center of the Gaussian distribution to *anOrigin*.

setGScale:

- **setGOrigin:**(double)*aScale*

Sets the spread of the Gaussian distribution to *aScale*.

write:

- **write:**(NXTypedStream *)*stream*

Archives a DieRoller to *stream*.

See also: - **read:**