

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.

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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:

Archiving

Getting a Gaussian random variable - gaussian

- 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:**