

## Gaussian

Gaussian : Random : Object

### Creating and Freeing Instances

- |                |                                      |
|----------------|--------------------------------------|
| + <b>alloc</b> | Allocates and returns a new instance |
| - <b>free</b>  | Frees an instance                    |

### Getting and Setting the Gaussian Parameters

- |                                       |   |
|---------------------------------------|---|
| - (double) <b>gOrigin</b>             | Returns the center of the Gaussian distribution |
| - (double) <b>gScale</b>              | Returns the spread of the Gaussian distribution |
| - <b>setGOrigin:</b> (double)anOrigin | Sets the center of the Gaussian distribution    |
| - <b>setGScale:</b> (double)aScale    | Sets the spread of the Gaussian distribution    |

### Getting Gaussian Values

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|----------------------------|--|
| - (double) <b>gaussian</b> | Returns a single Gaussian random value |
|----------------------------|--|

### Archiving

- |   |                                     |
|---|-------------------------------------|
| - <b>read:</b> (NXTypedStream *) <i>stream</i>  | Reads a Gaussian from <i>stream</i> |
| - <b>write:</b> (NXTypedStream *) <i>stream</i> | Writes a Gaussian to <i>stream</i>  |