FModifierFunctionGenerator(FModifier)

base classes — `bpy_struct`, `FModifier`

class bpy.types.**FModifierFunctionGenerator(FModifier)**

Generate values using a built-in function

amplitude

Scale factor determining the maximum/minimum values

TYPE:

float in [-inf, inf], default 0.0

function_type

Type of built-in function to use

- `SIN` Sine.
- `COS` Cosine.
- `TAN` Tangent.
- `SQRT` Square Root.
- `LN` Natural Logarithm.
- `SINC` Normalized Sine – sin(x) / x.

TYPE:

enum in ['SIN', 'COS', 'TAN', 'SQRT', 'LN', 'SINC'], default 'SIN'

phase_multiplier

Scale factor determining the 'speed' of the function

TYPE:

float in [-inf, inf], default 0.0

phase_offset

Constant factor to offset time by for function

TYPE:

float in [-inf, inf], default 0.0

use_additive

Values generated by this modifier are applied on top of the existing values instead of overwriting them

TYPE:

boolean, default False

value_offset

Constant factor to offset values by

TYPE:

float in [-inf, inf], default 0.0

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found

The RNA type of default when not found.

    RETURN TYPE:

        `bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

    PARAMETERS:

        id (*str*) – The RNA type identifier.

    RETURNS:

        The class or default when not found.

    RETURN TYPE:

        type

Inherited Properties

- `bpy_struct.id_data`
- `FModifier.name`
- `FModifier.type`
- `FModifier.show_expanded`
- `FModifier.mute`
- `FModifier.is_valid`
- `FModifier.active`
- `FModifier.use_restricted_range`
- `FModifier.frame_start`
- `FModifier.frame_end`
- `FModifier.blend_in`
- `FModifier.blend_out`
- `FModifier.use_influence`
- `FModifier.influence`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `bpy_struct.is_property_hidden`
- `bpy_struct.is_property_overridable_library`
- `bpy_struct.is_property_readonly`
- `bpy_struct.is_property_set`
- `bpy_struct.items`
- `bpy_struct.keyframe_delete`
- `bpy_struct.keyframe_insert`
- `bpy_struct.keys`
- `bpy_struct.path_from_id`
- `bpy_struct.path_resolve`
- `bpy_struct.pop`
- `bpy_struct.property_overridable_library_set`
- `bpy_struct.property_unset`
- `bpy_struct.type_recast`
- `bpy_struct.values`
- `FModifier.bl_rna_get_subclass`
- `FModifier.bl_rna_get_subclass_py`