

[Skip to content](#)

FModifierGenerator(FModifier)

base classes — `bpy_struct`, `FModifier`

class `bpy.types.FModifierGenerator(FModifier)`

Deterministically generate values for the modified F-Curve

coefficients

Coefficients for 'x' (starting from lowest power of x^0)

TYPE:

float array of 32 items in $[-\text{inf}, \text{inf}]$, default (0.0, 0.0)

mode

Type of generator to use

TYPE:

enum in ['POLYNOMIAL', 'POLYNOMIAL_FACTORISED'], default 'POLYNOMIAL'

poly_order

The highest power of 'x' for this polynomial (number of coefficients - 1)

TYPE:

int in [1, 100], default 0

use_additive

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

TYPE:

boolean, default False

classmethod `bl_rna_get_subclass(id, default=None)`

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or 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.use_restricted_range`
- `FModifier.name`
- `FModifier.frame_start`

- FModifier.name
- FModifier.type
- FModifier.show_expanded
- FModifier.mute
- FModifier.is_valid
- FModifier.active
- 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