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FModifier(bpy_struct)

base class — bpy_struct

subclasses — FModifierCycles, FModifierEnvelope, FModifierFunctionGenerator, FModifierGenerator, FModifierLimits, FModifierNoise, FModifierStepped

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

Modifier for values of F-Curve

active

F-Curve modifier will show settings in the editor

TYPE:

boolean, default False

blend_in

Number of frames from start frame for influence to take effect

TYPE:

float in [-inf, inf], default 0.0

blend_out

Number of frames from end frame for influence to fade out

TYPE:

float in [-inf, inf], default 0.0

frame_end

Frame that modifier's influence ends (if Restrict Frame Range is in use)

TYPE:

float in [-inf, inf], default 0.0

frame_start

Frame that modifier's influence starts (if Restrict Frame Range is in use)

TYPE:

float in [-inf, inf], default 0.0

influence

Amount of influence F-Curve Modifier will have when not fading in/out

TYPE:

float in [0, 1], default 1.0

is_valid

F-Curve Modifier has invalid settings and will not be evaluated

TYPE:

boolean, default False, (readonly)

mute

Enable F-Curve modifier evaluation

TYPE:

boolean, default False

boolean, default False

name

F-Curve Modifier name

TYPE:

string, default “”, (never None)

show_expanded

F-Curve Modifier’s panel is expanded in UI

TYPE:

boolean, default False

type

F-Curve Modifier Type

TYPE:

enum in Fmodifier Type Items, default ‘NULL’, (readonly)

use_influence

F-Curve Modifier’s effects will be tempered by a default factor

TYPE:

boolean, default False

use_restricted_range

F-Curve Modifier is only applied for the specified frame range to help mask off effects in order to chain 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`

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

References

- FCurve.modifiers
- FCurveModifiers.active
- FCurveModifiers.new
- FCurveModifiers.remove
- NlaStrip.modifiers