

[Skip to content](#)

FModifierNoise(FModifier)

base classes — `bpy_struct`, `FModifier`

class `bpy.types.FModifierNoise(FModifier)`

Give randomness to the modified F-Curve

blend_type

Method of modifying the existing F-Curve

TYPE:

enum in ['REPLACE', 'ADD', 'SUBTRACT', 'MULTIPLY'], default 'REPLACE'

depth

Amount of fine level detail present in the noise

TYPE:

int in [0, 32767], default 0

lacunarity

Gap between successive frequencies. Depth needs to be greater than 0 for this to have an effect

TYPE:

float in [-inf, inf], default 2.0

offset

Time offset for the noise effect

TYPE:

float in [-inf, inf], default 0.0

phase

A random seed for the noise effect

TYPE:

float in [-inf, inf], default 0.0

roughness

Amount of high frequency detail. Depth needs to be greater than 0 for this to have an effect

TYPE:

float in [-inf, inf], default 0.5

scale

Scaling (in time) of the noise

TYPE:

float in [-inf, inf], default 0.0

strength

Amplitude of the noise - the amount that it modifies the underlying curve

TYPE:

float in [-inf, inf], default 0.0

use_legacy_noise

Use the legacy way of generating noise. Has the issue that it can produce values outside of -1/1

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.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`

