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GreasePencilEnvelopeModifier(Modifier)

base classes — [bpy_struct](#), [Modifier](#)

class bpy.types.GreasePencilEnvelopeModifier(Modifier)

Envelope stroke effect modifier

invert_layer_filter

Invert layer filter

TYPE:

boolean, default False

invert_layer_pass_filter

Invert layer pass filter

TYPE:

boolean, default False

invert_material_filter

Invert material filter

TYPE:

boolean, default False

invert_material_pass_filter

Invert material pass filter

TYPE:

boolean, default False

invert_vertex_group

Invert vertex group weights

TYPE:

boolean, default False

layer_filter

Layer name

TYPE:

string, default “”, (never None)

layer_pass_filter

Layer pass filter

TYPE:

int in [0, 100], default 0

mat_nr

The material to use for the new strokes

TYPE:

int in [-1, 32767], default -1

material_filter

Material used for filtering

TYPE:

Material

material_pass_filter

Material pass

TYPE:

int in [0, 100], default 0

mode

Algorithm to use for generating the envelope

- `DEFORM` Deform – Deform the stroke to best match the envelope shape.
- `SEGMENTS` Segments – Add segments to create the envelope. Keep the original stroke..
- `FILLS` Fills – Add fill segments to create the envelope. Don't keep the original stroke..

TYPE:

enum in ['DEFORM', 'SEGMENTS', 'FILLS'], default 'SEGMENTS'

open_influence_panel

TYPE:

boolean, default False

skip

The number of generated segments to skip to reduce complexity

TYPE:

int in [0, inf], default 0

spread

The number of points to skip to create straight segments

TYPE:

int in [1, inf], default 10

strength

Multiplier for the strength of the new strokes

TYPE:

float in [0, inf], default 1.0

thickness

Multiplier for the thickness of the new strokes

TYPE:

float in [0, inf], default 1.0

use_layer_pass_filter

Use layer pass filter

TYPE:

boolean, default False

use_material_pass_filter

Use material pass filter

TYPE:

boolean, default False

vertex_group_name

Vertex group name for modulating the deform

TYPE:

string, default ‘’, (never None)

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`
- `Modifier.name`
- `Modifier.type`
- `Modifier.show_viewport`
- `Modifier.show_render`
- `Modifier.show_in_editmode`
- `Modifier.show_on_cage`
- `Modifier.show_expanded`
- `Modifier.is_active`
- `Modifier.use_pin_to_last`
- `Modifier.is_override_data`
- `Modifier.use_apply_on_spline`
- `Modifier.execution_time`
- `Modifier.persistent_uid`

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.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`
- `Modifier.bl_rna_get_subclass`

- `bpy_struct.items`

- `Modifier.bl_rna_get_subclass_py`

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