WeightedNormalModifier(Modifier)

base classes — bpy_struct, Modifier

class bpy.types.**WeightedNormalModifier(Modifier)**

invert_vertex_group

Invert vertex group influence

TYPE:

boolean, default False

keep_sharp

Keep sharp edges as computed for default split normals, instead of setting a single weighted normal for each vertex

TYPE:

boolean, default False

mode

Weighted vertex normal mode to use

- FACE_AREA Face Area – Generate face area weighted normals.
- CORNER_ANGLE Corner Angle – Generate corner angle weighted normals.
- FACE_AREA_WITH_ANGLE Face Area & Angle – Generated normals weighted by both face area and angle.

TYPE:

enum in ['FACE_AREA', 'CORNER_ANGLE', 'FACE_AREA_WITH_ANGLE'], default 'FACE_AREA'

thresh

Threshold value for different weights to be considered equal

TYPE:

float in [0, 10], default 0.01

use_face_influence

Use influence of face for weighting

TYPE:

boolean, default False

vertex_group

Vertex group name for modifying the selected areas

TYPE:

string, default "", (never None)

weight

Corrective factor applied to faces' weights, 50 is neutral, lower values increase weight of weak faces, higher values increase weight of strong faces

TYPE:

int in [1, 100], default 50

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.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`
- `Modifier.bl_rna_get_subclass`
- `Modifier.bl_rna_get_subclass_py`