DecimateModifier(Modifier)

base classes — bpy_struct , Modifier

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

Decimation modifier

angle_limit

Only dissolve angles below this (planar only)

TYPE:

float in [0, 3.14159], default 0.0872665

decimate_type

- COLLAPSE Collapse – Use edge collapsing.
- UNSUBDIV Un-Subdivide – Use un-subdivide face reduction.
- DISSOLVE Planar – Dissolve geometry to form planar polygons.

TYPE:

enum in [‘COLLAPSE’, ‘UNSUBDIV’, ‘DISSOLVE’], default ‘COLLAPSE’

delimit

Limit merging geometry

TYPE:

enum set in Mesh Delimit Mode Items, default {‘NORMAL’}

face_count

The current number of faces in the decimated mesh

TYPE:

int in [-inf, inf], default 0, (readonly)

invert_vertex_group

Invert vertex group influence (collapse only)

TYPE:

boolean, default False

iterations

Number of times reduce the geometry (unsubdivide only)

TYPE:

int in [0, 32767], default 0

ratio

Ratio of triangles to reduce to (collapse only)

TYPE:

float in [0, 1], default 1.0

symmetry_axis

Axis of symmetry

TYPE:

enum in Axis Xyz Items, default ‘X’

use_collapse_triangulate

Keep triangulated faces resulting from decimation (collapse only)

TYPE:

boolean, default False

use_dissolve_boundaries

Dissolve all vertices in between face boundaries (planar only)

TYPE:

boolean, default False

use_symmetry

Maintain symmetry on an axis

TYPE:

boolean, default False

vertex_group

Vertex group name (collapse only)

TYPE:

string, default "", (never None)

vertex_group_factor

Vertex group strength

TYPE:

float in [0, 1000], default 1.0

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_expanded`
- `Modifier.is_active`
- `Modifier.use_pin_to_last`
- `Modifier.is_override_data`

- Modifier.show_render
- Modifier.show_in_editmode
- Modifier.show_on_cage
- 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