SubsurfModifier(Modifier)

base classes — bpy_struct, Modifier

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

Subdivision surface modifier

boundary_smooth

Controls how open boundaries are smoothed

TYPE:

enum in Subdivision Boundary Smooth Items, default 'ALL'

levels

Number of subdivisions to perform in the 3D viewport

TYPE:

int in [0, 11], default 1

quality

Accuracy of vertex positions, lower value is faster but less precise

TYPE:

int in [1, 10], default 3

render_levels

Number of subdivisions to perform when rendering

TYPE:

int in [0, 11], default 2

show_only_control_edges

Skip displaying interior subdivided edges

TYPE:

boolean, default True

subdivision_type

Select type of subdivision algorithm

- `CATMULL_CLARK` Catmull-Clark – Create a smooth curved surface using the Catmull-Clark subdivision scheme.
- `SIMPLE` Simple – Subdivide faces without changing shape.

TYPE:

enum in ['CATMULL_CLARK', 'SIMPLE'], default 'CATMULL_CLARK'

use_creases

Use mesh crease information to sharpen edges or corners

TYPE:

boolean, default True

use_custom_normals

Interpolates existing custom normals to resulting mesh

TYPE:

boolean, default False

use_limit_surface

Place vertices at the surface that would be produced with infinite levels of subdivision (smoothest possible shape)

TYPE:

boolean, default True

uv_smooth

Controls how smoothing is applied to UVs

TYPE:

enum in Subdivision Uv Smooth Items, default 'PRESERVE_BOUNDARIES'

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.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.is_property_hidden
- bpy_struct.is_property_overridable_library
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set
- bpy_struct.items
- bpy_struct.property_unset
- bpy_struct.type_recast
- bpy_struct.values
- Modifier.bl_rna_get_subclass
- Modifier.bl_rna_get_subclass_py

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