

[Skip to content](#)

CorrectiveSmoothModifier(Modifier)

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

class bpy.types.CorrectiveSmoothModifier(Modifier)

Correct distortion caused by deformation

factor

Smooth effect factor

TYPE:

float in $[-\infty, \infty]$, default 0.5

invert_vertex_group

Invert vertex group influence

TYPE:

boolean, default False

is_bind

TYPE:

boolean, default False, (readonly)

iterations

TYPE:

int in $[0, 32767]$, default 5

rest_source

Select the source of rest positions

- `ORCO` Original Coords – Use base mesh vertex coordinates as the rest position.
- `BIND` Bind Coords – Use bind vertex coordinates for rest position.

TYPE:

enum in `['ORCO', 'BIND']`, default `'ORCO'`

scale

Compensate for scale applied by other modifiers

TYPE:

float in $[-\infty, \infty]$, default 1.0

smooth_type

Method used for smoothing

- `SIMPLE` Simple – Use the average of adjacent edge-vertices.
- `LENGTH_WEIGHTED` Length Weight – Use the average of adjacent edge-vertices weighted by their length.

TYPE:

enum in `['SIMPLE', 'LENGTH_WEIGHTED']`, default `'SIMPLE'`

use_only_smooth

Apply smoothing without reconstructing the surface

TYPE:

boolean, default False

use_pin_boundary

Excludes boundary vertices from being smoothed

TYPE:

boolean, default False

vertex_group

Name of Vertex Group which determines influence of modifier per point

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.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_overridable_library](#)
- [bpy_struct.is_property_readonly](#)
- [bpy_struct.is_property_set](#)
- [bpy_struct.items](#)
- [bpy_struct.type_recast](#)
- [bpy_struct.values](#)
- [Modifier.bl_rna_get_subclass](#)
- [Modifier.bl_rna_get_subclass_py](#)

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