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ShrinkwrapModifier(Modifier)

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

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

Shrink wrapping modifier to shrink wrap and object to a target

auxiliary_target

Additional mesh target to shrink to

TYPE:

[Object](#)

cull_face

Stop vertices from projecting to a face on the target when facing towards/away

TYPE:

enum in [Shrinkwrap Face Cull Items](#), default ‘OFF’

invert_vertex_group

Invert vertex group influence

TYPE:

boolean, default False

offset

Distance to keep from the target

TYPE:

float in [-inf, inf], default 0.0

project_limit

Limit the distance used for projection (zero disables)

TYPE:

float in [0, inf], default 0.0

subsurf_levels

Number of subdivisions that must be performed before extracting vertices’ positions and normals

TYPE:

int in [0, 6], default 0

target

Mesh target to shrink to

TYPE:

[Object](#)

use_invert_cull

When projecting in the negative direction invert the face cull mode

TYPE:

boolean, default False

use_negative_direction

Allow vertices to move in the negative direction of axis

TYPE:

boolean, default False

use_positive_direction

Allow vertices to move in the positive direction of axis

TYPE:

boolean, default True

use_project_x

TYPE:

boolean, default False

use_project_y

TYPE:

boolean, default False

use_project_z

TYPE:

boolean, default False

vertex_group

Vertex group name

TYPE:

string, default "", (never None)

wrap_method

TYPE:

enum in [Shrinkwrap Type Items](#), default 'NEAREST_SURFACEPOINT'

wrap_mode

Select how vertices are constrained to the target surface

TYPE:

enum in [Modifier Shrinkwrap Mode Items](#), default 'ON_SURFACE'

classmethod bl_ma_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_ma_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

[bpy.types](#)

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`