

CastModifier(Modifier)

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

class bpy.types.CastModifier(Modifier)

Modifier to cast to other shapes

cast_type

Target object shape

TYPE:

enum in ['SPHERE', 'CYLINDER', 'CUBOID'], default 'SPHERE'

factor

TYPE:

float in [-inf, inf], default 0.5

invert_vertex_group

Invert vertex group influence

TYPE:

boolean, default False

object

Control object: if available, its location determines the center of the effect

TYPE:

[Object](#)

radius

Only deform vertices within this distance from the center of the effect (leave as 0 for infinite.)

TYPE:

float in [0, inf], default 0.0

size

Size of projection shape (leave as 0 for auto)

TYPE:

float in [0, inf], default 0.0

use_radius_as_size

Use radius as size of projection shape (0 = auto)

TYPE:

boolean, default True

use_transform

Use object transform to control projection shape

TYPE:

boolean, default False

use_x

TYPE:

boolean, default True

boolean, default True

use_y

TYPE:

boolean, default True

use_z

TYPE:

boolean, default True

vertex_group

Vertex group name

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.keyframe_delete`
- `bpy_struct.keyframe_insert`
- `bpy_struct.keys`
- `bpy_struct.path_from_id`
- `bpy_struct.path_resolve`

- `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.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`