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MultiresModifier(Modifier)

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

class bpy.types.MultiresModifier(Modifier)

Multiresolution mesh modifier

boundary_smooth

Controls how open boundaries are smoothed

TYPE:

enum in [Subdivision Boundary Smooth Items](#), default 'ALL'

filepath

Path to external displacements file

TYPE:

string, default '', (never None)

is_external

Store multires displacements outside the .blend file, to save memory

TYPE:

boolean, default False, (readonly)

levels

Number of subdivisions to use in the viewport

TYPE:

int in [0, 255], default 0

quality

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

TYPE:

int in [1, 10], default 4

render_levels

The subdivision level visible at render time

TYPE:

int in [0, 255], default 0

sculpt_levels

Number of subdivisions to use in sculpt mode

TYPE:

int in [0, 255], default 0

show_only_control_edges

Skip drawing/rendering of interior subdivided edges

TYPE:

boolean, default True

total_levels

Number of subdivisions for which displacements are stored

TYPE:

int in [0, 255], default 0, (readonly)

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_sculpt_base_mesh

Make Sculpt Mode tools deform the base mesh while previewing the displacement of higher subdivision levels

TYPE:

boolean, default False

uv_smooth

Controls how smoothing is applied to UVs

TYPE:

enum in [Subdivision Uv Smooth Items](#), default 'PRESERVE_BOUNDARIES'

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:

type

Inherited Properties

- `bpy_struct.id_data`
- `Modifier.name`
- `Modifier.type`
- `Modifier.show_viewport`
- `Modifier.show_render`
- `Modifier.show_in_editmode`
- `Modifier.show_expanded`
- `Modifier.is_active`
- `Modifier.use_pin_to_last`
- `Modifier.is_override_data`
- `Modifier.use_apply_on_spline`
- `Modifier.execution_time`

- `Modifier.show_on_cage`
- `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`