ShapeKey(bpy_struct)

base class — `bpy_struct`

class bpy.types.**ShapeKey(bpy_struct)**

Shape key in a shape keys data-block

data

TYPE:

`bpy_prop_collection` of `UnknownType`, (readonly)

frame

Frame for absolute keys

TYPE:

float in [-inf, inf], default 0.0, (readonly)

interpolation

Interpolation type for absolute shape keys

TYPE:

enum in ['KEY_LINEAR', 'KEY_CARDINAL', 'KEY_CATMULL_ROM', 'KEY_BSPLINE'], default 'KEY_LINEAR'

lock_shape

Protect the shape key from accidental sculpting and editing

TYPE:

boolean, default False

mute

Toggle this shape key

TYPE:

boolean, default False

name

Name of Shape Key

TYPE:

string, default "", (never None)

points

Optimized access to shape keys point data, when using foreach_get/foreach_set accessors. Warning: Does not support legacy Curve shape keys.

TYPE:

`bpy_prop_collection` of `ShapeKeyPoint`, (readonly)

relative_key

Shape used as a relative key

TYPE:

`ShapeKey`, (never None)

slider_max

Maximum for slider

Maximum for slider

TYPE:
    float in [-10, 10], default 1.0

slider_min
    Minimum for slider

TYPE:
    float in [-10, 10], default 0.0

value
    Value of shape key at the current frame

TYPE:
    float in [0, 1], default 0.0

vertex_group
    Vertex weight group, to blend with basis shape

TYPE:
    string, default "", (never None)

normals_vertex_get()
    Compute local space vertices' normals for this shape key

RETURNS:
    normals

RETURN TYPE:
    float in [-1, 1]

normals_polygon_get()
    Compute local space faces' normals for this shape key

RETURNS:
    normals

RETURN TYPE:
    float in [-1, 1]

normals_split_get()
    Compute local space face corners' normals for this shape key

RETURNS:
    normals

RETURN TYPE:
    float in [-1, 1]

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

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

References

- ClothSettings.rest_shape_key
- Key.key_blocks
- Key.reference_key
- Object.active_shape_key
- Object.shape_key_add
- Object.shape_key_remove
- ShapeKey.relative_key

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