GreasePencilDrawing(bpy_struct)

base class — bpy_struct

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

A Grease Pencil drawing

attributes

Geometry attributes

TYPE:

AttributeGroupGreasePencilDrawing bpy_prop_collection of Attribute, (readonly)

color_attributes

Geometry color attributes

TYPE:

AttributeGroupGreasePencilDrawing bpy_prop_collection of Attribute, (readonly)

curve_offsets

Offset indices of the first point of each curve

TYPE:

bpy_prop_collection of IntAttributeValue, (readonly)

type

Drawing type

TYPE:

enum in ['DRAWING', 'REFERENCE'], default 'DRAWING', (readonly)

user_count

The number of keyframes this drawing is used by

TYPE:

int in [-inf, inf], default 0, (readonly)

strokes

Return a collection of all the Grease Pencil strokes in this drawing.

Note

This API should *not* be used for performance critical operations. Use the GreasePencilDrawing.attributes API instead.

Note

When point/curves count of a drawing is changed, the slice returned by this call prior to the change is no longer valid. You need to get the new stroke slice via *drawing.strokes[n]*.

(readonly)

add_strokes(sizes)

Add new strokes with provided sizes at the end

PARAMETERS:

sizes (*int array of 1 items in [1, inf]*) – Sizes, The number of points in each stroke

remove_strokes(*, indices=(0,))

Remove all strokes. If indices are provided, remove only the strokes with the given indices.

PARAMETERS:

indices (*int array of 1 items in [0, inf], (optional)*) – Indices, The indices of the strokes to remove

resize_strokes(sizes, *, indices=(0,))

Resize all existing strokes. If indices are provided, resize only the strokes with the given indices. If the new size for a stroke is smaller, the stro is trimmed. If the new size for a stroke is larger, the new end values are default initialized.

PARAMETERS:

- **sizes** (*int array of 1 items in [1, inf]*) – Sizes, The number of points in each stroke
- **indices** (*int array of 1 items in [0, inf], (optional)*) – Indices, The indices of the stroke to resize

reorder_strokes(new_indices)

Reorder the strokes by the new indices.

PARAMETERS:

new_indices (*int array of 1 items in [0, inf]*) – New indices, The new index for each of the strokes

set_types(*, type='CATMULL_ROM', indices=(0,))

Set the curve type. If indices are provided, set only the types with the given curve indices.

PARAMETERS:

- **type** (enum in Curves Type Items, (optional)) – Type
- **indices** (*int array of 1 items in [0, inf], (optional)*) – Indices, The indices of the curves to resize

tag_positions_changed()

Indicate that the positions of points in the drawing have changed

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

- GreasePencilFrame.drawing