Keyframe(bpy_struct)

base class — bpy_struct

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

Bézier curve point with two handles defining a Keyframe on an F-Curve

amplitude

Amount to boost elastic bounces for ‘elastic’ easing

TYPE:

float in [0, inf], default 0.0

back

Amount of overshoot for ‘back’ easing

TYPE:

float in [-inf, inf], default 0.0

co

Coordinates of the control point

TYPE:

mathutils.Vector of 2 items in [-inf, inf], default (0.0, 0.0)

co_ui

Coordinates of the control point. Note: Changing this value also updates the handles similar to using the graph editor transform operator

TYPE:

mathutils.Vector of 2 items in [-inf, inf], default (0.0, 0.0)

easing

Which ends of the segment between this and the next keyframe easing interpolation is applied to

TYPE:

enum in Beztriple Interpolation Easing Items, default ‘AUTO’

handle_left

Coordinates of the left handle (before the control point)

TYPE:

mathutils.Vector of 2 items in [-inf, inf], default (0.0, 0.0)

handle_left_type

Handle types

TYPE:

enum in Keyframe Handle Type Items, default ‘FREE’

handle_right

Coordinates of the right handle (after the control point)

TYPE:

mathutils.Vector of 2 items in [-inf, inf], default (0.0, 0.0)

handle_right_type

Handle types

TYPE:

enum in Keyframe Handle Type Items, default 'FREE'

interpolation

Interpolation method to use for segment of the F-Curve from this Keyframe until the next Keyframe

TYPE:

enum in Beztriple Interpolation Mode Items, default 'CONSTANT'

period

Time between bounces for elastic easing

TYPE:

float in [-inf, inf], default 0.0

select_control_point

Control point selection status

TYPE:

boolean, default False

select_left_handle

Left handle selection status

TYPE:

boolean, default False

select_right_handle

Right handle selection status

TYPE:

boolean, default False

type

Type of keyframe (for visual purposes only)

TYPE:

enum in Beztriple Keyframe Type Items, default 'KEYFRAME'

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

- bpy.context.selected_editable_keyframes
- FCurve.keyframe_points
- FCurveKeyframePoints.insert
- FCurveKeyframePoints.remove