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NlaStrip(bpy_struct)

base class — bpy_struct

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

A container referencing an existing Action

action

Action referenced by this strip

TYPE:

Action

action_frame_end

Last frame from action to use

TYPE:

float in [-inf, inf], default 0.0

action_frame_start

First frame from action to use

TYPE:

float in [-inf, inf], default 0.0

action_slot

The slot identifies which sub-set of the Action is considered to be for this strip, and its name is used to find the right slot when assigning anothe Action

TYPE:

ActionSlot

action_slot_handle

A number that identifies which sub-set of the Action is considered to be for this NLA strip

TYPE:

int in [-inf, inf], default 0

action_suitable_slots

The list of action slots suitable for this NLA strip

TYPE:

bpy_prop_collection of ActionSlot, (readonly)

active

NLA Strip is active

TYPE:

boolean, default False, (readonly)

blend_in

Number of frames at start of strip to fade in influence

TYPE:

float in [-inf, inf], default 0.0

blend_out

TYPE:

float in [-inf, inf], default 0.0

blend_type

Method used for combining strip's result with accumulated result

- `REPLACE` Replace – The strip values replace the accumulated results by amount specified by influence.
- `COMBINE` Combine – The strip values are combined with accumulated results by appropriately using addition, multiplication, or quaterni math, based on channel type.
- `ADD` Add – Weighted result of strip is added to the accumulated results.
- `SUBTRACT` Subtract – Weighted result of strip is removed from the accumulated results.
- `MULTIPLY` Multiply – Weighted result of strip is multiplied with the accumulated results.

TYPE:

enum in ['REPLACE', 'COMBINE', 'ADD', 'SUBTRACT', 'MULTIPLY'], default 'REPLACE'

extrapolation

Action to take for gaps past the strip extents

- `NOTHING` Nothing – Strip has no influence past its extents.
- `HOLD` Hold – Hold the first frame if no previous strips in track, and always hold last frame.
- `HOLD_FORWARD` Hold Forward – Only hold last frame.

TYPE:

enum in ['NOTHING', 'HOLD', 'HOLD_FORWARD'], default 'HOLD'

fcurves

F-Curves for controlling the strip's influence and timing

TYPE:

`NlaStripFCurves` `bpy_prop_collection` of `FCurve`, (readonly)

frame_end

TYPE:

float in [-inf, inf], default 0.0

frame_end_raw

Same as frame_end, except that any value can be set, including ones that create an invalid state

TYPE:

float in [-inf, inf], default 0.0

frame_end_ui

End frame of the NLA strip. Note: changing this value also updates the value of the strip's repeats or its action's end frame. If only the end frame should be changed, see the "frame_end" property instead.

TYPE:

float in [-inf, inf], default 0.0

frame_start

TYPE:

float in [-inf, inf], default 0.0

frame_start_raw

Same as frame_start, except that any value can be set, including ones that create an invalid state

TYPE:

float in [-inf, inf], default 0.0

frame_start_ui

Start frame of the NLA strip. Note: changing this value also updates the value of the strip's end frame. If only the start frame should be change see the "frame_start" property instead.

TYPE:

float in [-inf, inf], default 0.0

influence

Amount the strip contributes to the current result

TYPE:

float in [0, 1], default 0.0

last_slot_identifier

The identifier of the most recently assigned action slot. The slot identifies which sub-set of the Action is considered to be for this strip, and its identifier is used to find the right slot when assigning an Action.

TYPE:

string, default "", (never None)

modifiers

Modifiers affecting all the F-Curves in the referenced Action

TYPE:

`bpy_prop_collection` of `FModifier`, (readonly)

mute

Disable NLA Strip evaluation

TYPE:

boolean, default False

name

TYPE:

string, default "", (never None)

repeat

Number of times to repeat the action range

TYPE:

float in [0.1, 1000], default 1.0

scale

Scaling factor for action

TYPE:

float in [0.0001, 1000], default 1.0

select

NLA Strip is selected

TYPE:

boolean, default False

strip_time

Frame of referenced Action to evaluate

TYPE:

float in [-inf, inf], default 0.0

strips

NLA Strips that this strip acts as a container for (if it is of type Meta)

TYPE:

bpy_prop_collection of NlaStrip, (readonly)

type

Type of NLA Strip

- CLIP Action Clip – NLA Strip references some Action.
- TRANSITION Transition – NLA Strip 'transitions' between adjacent strips.
- META Meta – NLA Strip acts as a container for adjacent strips.
- SOUND Sound Clip – NLA Strip representing a sound event for speakers.

TYPE:

enum in ['CLIP', 'TRANSITION', 'META', 'SOUND'], default 'CLIP', (readonly)

use_animated_influence

Influence setting is controlled by an F-Curve rather than automatically determined

TYPE:

boolean, default False

use_animated_time

Strip time is controlled by an F-Curve rather than automatically determined

TYPE:

boolean, default False

use_animated_time_cyclic

Cycle the animated time within the action start and end

TYPE:

boolean, default False

use_auto_blend

Number of frames for Blending In/Out is automatically determined from overlapping strips

TYPE:

boolean, default False

use_reverse

NLA Strip is played back in reverse order (only when timing is automatically determined)

TYPE:

boolean, default False

use_sync_length

Update range of frames referenced from action after tweaking strip and its keyframes

TYPE:

boolean, default False

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.active_nla_strip`
- `bpy.context.selected_nla_strips`
- `NlaStrip.strips`
- `NlaStrips.new`
- `NlaStrips.remove`
- `NlaTrack.strips`