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FModifierCycles(FModifier)

base classes — `bpy_struct`, `FModifier`

class `bpy.types.FModifierCycles(FModifier)`

Repeat the values of the modified F-Curve

`cycles_after`

Maximum number of cycles to allow after last keyframe (0 = infinite)

TYPE:

`int` in `[-32768, 32767]`, default 0

`cycles_before`

Maximum number of cycles to allow before first keyframe (0 = infinite)

TYPE:

`int` in `[-32768, 32767]`, default 0

`mode_after`

Cycling mode to use after last keyframe

- `NONE` No Cycles – Don't do anything.
- `REPEAT` Repeat Motion – Repeat keyframe range as-is.
- `REPEAT_OFFSET` Repeat with Offset – Repeat keyframe range, but with offset based on gradient between start and end values.
- `MIRROR` Repeat Mirrored – Alternate between forward and reverse playback of keyframe range.

TYPE:

`enum` in `['NONE', 'REPEAT', 'REPEAT_OFFSET', 'MIRROR']`, default 'NONE'

`mode_before`

Cycling mode to use before first keyframe

- `NONE` No Cycles – Don't do anything.
- `REPEAT` Repeat Motion – Repeat keyframe range as-is.
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TYPE:

`enum` in `['NONE', 'REPEAT', 'REPEAT_OFFSET', 'MIRROR']`, default 'NONE'

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`
- `FModifier.name`
- `FModifier.type`
- `FModifier.show_expanded`
- `FModifier.mute`
- `FModifier.is_valid`
- `FModifier.active`
- `FModifier.use_restricted_range`
- `FModifier.frame_start`
- `FModifier.frame_end`
- `FModifier.blend_in`
- `FModifier.blend_out`
- `FModifier.use_influence`
- `FModifier.influence`

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`
- `FModifier.bl_rna_get_subclass`
- `FModifier.bl_rna_get_subclass_py`