ActionFCurves(bpy_struct)

base class — `bpy_struct`

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

Collection of action F-Curves. Note that this is a legacy API that is unaware of action slots, and will only consider the F-Curves for this action's first slot

new(data_path, *, index=0, action_group='')

Add an F-Curve for the first slot of this action, creating the necessary layer, strip, and slot if necessary

PARAMETERS:

- **data_path** (*string, (never None)*) – Data Path, F-Curve data path to use
- **index** (*int in [0, inf], (optional)*) – Index, Array index
- **action_group** (*string, (optional, never None)*) – Action Group, Acton group to add this F-Curve into

RETURNS:

Newly created F-Curve

RETURN TYPE:

`FCurve`

find(data_path, *, index=0)

Find an F-Curve. Note that this function performs a linear scan of all F-Curves for the action's first slot.

PARAMETERS:

- **data_path** (*string, (never None)*) – Data Path, F-Curve data path
- **index** (*int in [0, inf], (optional)*) – Index, Array index

RETURNS:

The found F-Curve, or None if it doesn't exist

RETURN TYPE:

`FCurve`

remove(fcurve)

Remove the F-Curve from the action's first slot

PARAMETERS:

fcurve (`FCurve` , (never None)) – F-Curve to remove

clear()

Remove all F-Curves from the action's first slot

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.

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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

- Action.fcurves

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