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DriverVariable(bpy_struct)

base class — [bpy_struct](#)

class bpy.types.DriverVariable(bpy_struct)

Variable from some source/target for driver relationship

is_name_valid

Is this a valid name for a driver variable

TYPE:

boolean, default False, (readonly)

name

Name to use in scripted expressions/functions (no spaces or dots are allowed, and must start with a letter)

TYPE:

string, default ‘’, (never None)

targets

Sources of input data for evaluating this variable

TYPE:

[bpy_prop_collection](#) of [DriverTarget](#), (readonly)

type

Driver variable type

- `SINGLE_PROP` Single Property – Use the value from some RNA property.
- `TRANSFORMS` Transform Channel – Final transformation value of object or bone.
- `ROTATION_DIFF` Rotational Difference – Use the angle between two bones.
- `LOC_DIFF` Distance – Distance between two bones or objects.
- `CONTEXT_PROP` Context Property – Use the value from some RNA property within the current evaluation context.

TYPE:

enum in [`‘SINGLE_PROP’`, `‘TRANSFORMS’`, `‘ROTATION_DIFF’`, `‘LOC_DIFF’`, `‘CONTEXT_PROP’`], default `‘SINGLE_PRO`

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`

Inherited Functions

- | | |
|---|--|
| • <code>bpy_struct.as_pointer</code> | • <code>bpy_struct.items</code> |
| • <code>bpy_struct.driver_add</code> | • <code>bpy_struct.keyframe_delete</code> |
| • <code>bpy_struct.driver_remove</code> | • <code>bpy_struct.keyframe_insert</code> |
| • <code>bpy_struct.get</code> | • <code>bpy_struct.keys</code> |
| • <code>bpy_struct.id_properties_clear</code> | • <code>bpy_struct.path_from_id</code> |
| • <code>bpy_struct.id_properties_ensure</code> | • <code>bpy_struct.path_resolve</code> |
| • <code>bpy_struct.id_properties_ui</code> | • <code>bpy_struct.pop</code> |
| • <code>bpy_struct.is_property_hidden</code> | • <code>bpy_struct.property_overridable_library_set</code> |
| • <code>bpy_struct.is_property_overridable_library</code> | • <code>bpy_struct.property_unset</code> |
| • <code>bpy_struct.is_property_readonly</code> | • <code>bpy_struct.type_recast</code> |
| • <code>bpy_struct.is_property_set</code> | • <code>bpy_struct.values</code> |

References

- | | |
|--|---------------------------------|
| • <code>ChannelDriverVariables.new</code> | • <code>Driver.variables</code> |
| • <code>ChannelDriverVariables.remove</code> | |