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# Driver(bpy\_struct)

base class — `bpy_struct`

**class** `bpy.types.Driver(bpy_struct)`

Driver for the value of a setting based on an external value

## expression

Expression to use for Scripted Expression

### TYPE:

string, default ‘’, (never None)

## is\_simple\_expression

The scripted expression can be evaluated without using the full Python interpreter

### TYPE:

boolean, default False, (readonly)

## is\_valid

Driver could not be evaluated in past, so should be skipped

### TYPE:

boolean, default False

## type

Driver type

### TYPE:

enum in ['AVERAGE', 'SUM', 'SCRIPTED', 'MIN', 'MAX'], default 'AVERAGE'

## use\_self

Include a 'self' variable in the name-space, so drivers can easily reference the data being modified (object, bone, etc...)

### TYPE:

boolean, default False

## variables

Properties acting as inputs for this driver

### TYPE:

`ChannelDriverVariables bpy_prop_collection` of `DriverVariable`, (readonly)

**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

- `FCurve.driver`