FloatProperty(Property)

base classes — `bpy_struct` , `Property`

class bpy.types.**FloatProperty(Property)**

> RNA floating-point number (single precision) property definition
>
> **array_dimensions**
>> Length of each dimension of the array
>>
>> **TYPE:**
>>> int array of 3 items in [0, inf], default (0, 0, 0), (readonly)
>
> **array_length**
>> Maximum length of the array, 0 means unlimited
>>
>> **TYPE:**
>>> int in [0, inf], default 0, (readonly)
>
> **default**
>> Default value for this number
>>
>> **TYPE:**
>>> float in [-inf, inf], default 0.0, (readonly)
>
> **default_array**
>> Default value for this array
>>
>> **TYPE:**
>>> float array of 3 items in [-inf, inf], default (0.0, 0.0, 0.0), (readonly)
>
> **hard_max**
>> Maximum value used by buttons
>>
>> **TYPE:**
>>> float in [-inf, inf], default 0.0, (readonly)
>
> **hard_min**
>> Minimum value used by buttons
>>
>> **TYPE:**
>>> float in [-inf, inf], default 0.0, (readonly)
>
> **is_array**
>> **TYPE:**
>>> boolean, default False, (readonly)
>
> **precision**
>> Number of digits after the dot used by buttons. Fraction is automatically hidden for exact integer values of fields with unit 'NONE' or 'TIME' (frame count) and step divisible by 100.
>>
>> **TYPE:**
>>> int in [0, inf], default 0, (readonly)
>
> **soft_max**
>> Maximum value used by buttons

Maximum value used by buttons

TYPE:

float in [-inf, inf], default 0.0, (readonly)

soft_min

Minimum value used by buttons

TYPE:

float in [-inf, inf], default 0.0, (readonly)

step

Step size used by number buttons, for floats 1/100th of the step size

TYPE:

float in [0, inf], default 0.0, (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
- Property.name
- Property.identifier
- Property.description
- Property.translation_context
- Property.type
- Property.subtype
- Property.srna
- Property.unit
- Property.icon
- Property.is_readonly
- Property.is_animatable
- Property.is_overridable
- Property.is_required

- Property.is_argument_optional
- Property.is_never_none
- Property.is_hidden
- Property.is_skip_save
- Property.is_skip_preset
- Property.is_output
- Property.is_registered
- Property.is_registered_optional
- Property.is_runtime
- Property.is_enum_flag
- Property.is_library_editable
- Property.is_path_output
- Property.tags

Inherited Functions

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
- Property.bl_rna_get_subclass
- Property.bl_rna_get_subclass_py