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Ship to content ShapeKeyCurvePoint(bpy_struct)

```
base class — bpy_struct
class bpy.types.ShapeKeyCurvePoint(bpy_struct)
    Point in a shape key for curves
     co
         TYPE:
              mathutils. Vector of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)
     radius
         Radius for beveling
         TYPE:
              float in [0, inf], default 0.0
     tilt
         Tilt in 3D View
         TYPE:
              float in [-376.991, 376.991], default 0.0
     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.items
- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy struct.keys

- 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.property_unset
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set

- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy_struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.type_recast
- bpy_struct.values

Previous ShapeKeyBezierPoint(bpy_struct) Report issue on this page

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ShapeKeyPoint(bpy_stru

Skip to content SunLight(Light)

shadow_jitter_overblur

```
base classes — bpy_struct, ID, Light
class bpy.types.SunLight(Light)
    Constant direction parallel ray Light
     angle
         Angular diameter of the Sun as seen from the Earth
         TYPE:
               float in [0, 3.14159], default 0.00918043
     energy
         Sunlight strength in watts per meter squared (W/m²)
         TYPE:
               float in [-inf, inf], default 10.0
     shadow_buffer_clip_start
         Shadow map clip start, below which objects will not generate shadows
         TYPE:
               float in [1e-06, inf], default 0.05
     shadow_cascade_count
         Number of texture used by the cascaded shadow map
         TYPE:
               int in [1, 4], default 4
     shadow cascade exponent
         Higher value increase resolution towards the viewpoint
         TYPE:
               float in [0, 1], default 0.8
     shadow cascade fade
         How smooth is the transition between each cascade
         TYPE:
               float in [0, 1], default 0.1
     shadow cascade max distance
         End distance of the cascaded shadow map (only in perspective view)
         TYPE:
               float in [0, inf], default 200.0
     shadow_filter_radius
         Blur shadow aliasing using Percentage Closer Filtering
         TYPE:
               float in [0, inf], default 1.0
```

```
Apply shadow tracing to each jittered sample to reduce under-sampling artifacts
```

TYPE:

float in [0, 100], default 10.0

shadow_maximum_resolution

Minimum size of a shadow map pixel. Higher values use less memory at the cost of shadow quality.

TYPE:

float in [0, inf], default 0.001

shadow soft size

Light size for ray shadow sampling (Raytraced shadows)

float in [0, inf], default 0.0

use shadow jitter

Enable jittered soft shadows to increase shadow precision (disabled in viewport unless enabled in the render settings). Has a high performance impact.

TYPE:

boolean, default False

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

- ID.name
- ID.name_full
- ID.id type
- ID.session_uid
- ID.is evaluated
- ID.original
- ID.users
- ID.use extra user

- bpy_struct.id_data ID.library_weak_reference
 - ID.asset_data
 - ID.override library
 - ID.preview
 - Light.type
 - Light.color
 - Light.specular factor
 - Light.diffuse factor
- ID.use_fake_user Light.transmission_factor
 - Light.volume factor

- ID.is_embedded_data Light.use_custom_distance
- ID.is missing
- Light.cutoff distance
- ID.is runtime data
- Light.use shadow
- ID.is editable
- Light.node tree
- ID.tag
- Light.use_nodes
- ID.is library indirect Light.animation data
- ID.library
- Light.cycles

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 ID.override_hierarchy_create
- 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 ID.bl_rna_get_subclass_py
- bpy struct.property unset
- bpy_struct.type_recast

- bpy struct.values
- ID.rename
- ID.evaluated get
- ID.copy
- ID.asset_mark
- ID.asset_clear
- ID.asset generate preview
- ID.override create
- ID.user clear
- ID.user remap
- ID.make local
- ID.user of id
- ID.animation data create
- ID.animation_data_clear
- ID.update tag
- ID.preview ensure
- ID.bl_rna_get_subclass
- Light.bl rna get subclass
- Light.bl rna get subclass py

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SurfaceCurve(Curv

Report issue on this page

Skip to content SurfaceCurve(Curve)

```
base classes — bpy_struct, ID, Curve
class bpy.types.SurfaceCurve(Curve)
    Curve data-block used for storing surfaces
    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:
```

Inherited Properties

• ID.override library

• ID.preview

• Curve.shape_keys

type

- bpy_struct.id_data • Curve.bevel profile • ID.name • Curve.bevel resolution • ID.name full • Curve.offset • ID.id_type • Curve.extrude • ID.session_uid • Curve.bevel depth • ID.is_evaluated • Curve.resolution u • ID.original • Curve.resolution_v • ID.users • ID.use_fake_user • ID.use_extra_user • Curve.eval time • ID.is embedded data • Curve.bevel_object • ID.is missing • Curve.taper object • ID.is_runtime_data • Curve.dimensions • ID.is_editable • Curve.fill mode • ID.tag • Curve.twist mode • ID.is_library_indirect • ID.library • ID.library_weak_reference • ID.asset_data
 - Curve.render_resolution_u • Curve.render_resolution_v • Curve.taper radius mode • Curve.bevel_factor_mapping_start • Curve.bevel factor mapping end • Curve.twist_smooth • Curve.use fill caps • Curve.use_map_taper • Curve.use_auto_texspace

- Curve.splines
- Curve.path_duration
- Curve.use path
- Curve.use path follow
- Curve.use path clamp
- Curve.use stretch
- Curve.use deform bounds
- Curve.use radius
- Curve.bevel mode

- Curve.texspace_location
- Curve.texspace size
- Curve.materials
- Curve.bevel factor start
- Curve.bevel_factor_end
- Curve.is editmode
- Curve.animation data
- Curve.cycles

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
- ID.rename

- ID.evaluated get
- ID.copy
- ID.asset mark
- ID.asset clear
- ID.asset generate preview
- ID.override create
- ID.override_hierarchy_create
- ID.user clear
- ID.user_remap
- ID.make local
- ID.user of id
- ID.animation data create
- ID.animation_data_clear
- ID.update_tag
- ID.preview ensure
- ID.bl rna get subclass
- ID.bl rna get subclass py
- Curve.transform
- Curve.validate_material_indices
- Curve.update gpu tag
- Curve.bl_rna_get_subclass
- Curve.bl rna get subclass py

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SurfaceDeformModifier(Modifier)

Skip to content SurfaceDeformModifier(Modifier)

```
base classes — bpy_struct, Modifier
class bpy.types.SurfaceDeformModifier(Modifier)
         Controls how much nearby polygons influence deformation
         TYPE:
              float in [2, 16], default 4.0
     invert_vertex_group
         Invert vertex group influence
         TYPE:
              boolean, default False
     is bound
         Whether geometry has been bound to target mesh
         TYPE:
              boolean, default False, (readonly)
     strength
         Strength of modifier deformations
         TYPE:
              float in [-100, 100], default 1.0
     target
         Mesh object to deform with
         TYPE:
              Object
     use sparse bind
         Only record binding data for vertices matching the vertex group at the time of bind
         TYPE:
              boolean, default False
     vertex_group
         Vertex group name for selecting/weighting the affected areas
         TYPE:
              string, default ", (never None)
     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

Modifier.show_expanded

Modifier.name

• Modifier.is active

Modifier.type

Modifier.use pin_to_last

• Modifier.show viewport • Modifier.is override data

Modifier.show render
 Modifier.use_apply_on_spline

• Modifier.show_in_editmode • Modifier.execution time

Modifier.show on cage
 Modifier.persistent uid

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.type recast

• 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.values

• Modifier.bl_rna_get_subclass

• Modifier.bl rna get subclass py

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SurfaceModifier(Modifier)

Skip to content SurfaceModifier(Modifier)

```
base classes — bpy_struct, Modifier
class bpy.types.SurfaceModifier(Modifier)
    Surface modifier defining modifier stack position used for surface fields
     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.
```

Inherited Properties

RETURN TYPE: type

• bpy struct.id data Modifier.show expanded Modifier.name Modifier.is active Modifier.type • Modifier.use pin to last • Modifier.show viewport • Modifier.is override data • Modifier.show_render • Modifier.use_apply_on_spline • Modifier.show_in_editmode • Modifier.execution_time Modifier.show on cage
 Modifier.persistent uid

Inherited Functions

• how etruct itoms

- 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.type recast • bpy_struct.is_property_readonly • bpy struct.is property set
- 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.values

• Modifier.bl rna get subclass

• Modifior hl rns got subglass nu

- nbl_scrucc.rcems

- mouttier.nt_tma_gec_subctass_py

Previous SurfaceDeformModifier(Modifier)

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Skip to content

```
TexMapping(bpy_struct)
base class — bpy_struct
class bpy.types.TexMapping(bpy_struct)
    Texture coordinate mapping settings
     mapping
         • FLAT Flat – Map X and Y coordinates directly.
         • CUBE Cube – Map using the normal vector.
         • TUBE Tube – Map with Z as central axis.
        • SPHERE Sphere – Map with Z as central axis.
        TYPE:
             enum in ['FLAT', 'CUBE', 'TUBE', 'SPHERE'], default 'FLAT'
     mapping_x
        TYPE:
             enum in ['NONE', 'X', 'Y', 'Z'], default 'NONE'
     mapping_y
        TYPE:
             enum in ['NONE', 'X', 'Y', 'Z'], default 'NONE'
     mapping_z
        TYPE:
             enum in ['NONE', 'X', 'Y', 'Z'], default 'NONE'
     max
        Maximum value for clipping
        TYPE:
              mathutils. Vector of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)
     min
        Minimum value for clipping
        TYPE:
              mathutils. Vector of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)
     rotation
        TYPE:
              mathutils.Euler rotation of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)
     scale
        TYPE:
              mathutils. Vector of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)
     translation
        TYPE:
```

mathutils. Vector of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)

use_max

```
Whether to use maximum clipping value
    TYPE:
        boolean, default False
use min
    Whether to use minimum clipping value
   TYPE:
        boolean, default False
vector_type
   Type of vector that the mapping transforms
   TYPE:
        enum in Mapping Type Items, default 'POINT'
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.property_unset • 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.type_recast
 - bpy struct.values

References

- ShaderNodeTexBrick.texture_mapping
- ShaderNodeTexChecker.texture mapping
- ShaderNodeTexEnvironment.texture_mapping
- ShaderNodeTexGabor.texture mapping
- ShaderNodeTexGradient.texture_mapping
- ShaderNodeTexImage.texture_mapping
- ShaderNodeTexMagic.texture_mapping
- ShaderNodeTexNoise.texture_mapping
- ShaderNodeTexSky.texture_mapping
- ShaderNodeTexVoronoi.texture mapping
- ShaderNodeTexWave.texture mapping

Previous TEXTURE_UL_texslots(UIList)

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Copyright © Blender Authors Made with Furo TexPaintSlot(bpy_stru

Skip to content TexPaintSlot(bpy_struct)

```
base class — bpy_struct
class bpy.types.TexPaintSlot(bpy_struct)
    Slot that contains information about texture painting
     icon value
         Paint slot icon
         TYPE:
              int in [-inf, inf], default 0, (readonly)
     is_valid
         Slot has a valid image and UV map
         TYPE:
              boolean, default False, (readonly)
     name
         Name of the slot
         TYPE:
              string, default ", (readonly, never None)
     uv_layer
         Name of UV map
         TYPE:
              string, default ", (never None)
     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.property_unset
- 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.type_recast
- bpy struct.values

References

• Material.texture_paint_slots

Previous TexMapping(bpy_struct)

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Ne Text(I

```
Skip to content Text(ID)
```

```
base classes — bpy_struct, ID
class bpy.types.Text(ID)
     Text data-block referencing an external or packed text file
     current character
          Index of current character in current line, and also start index of character in selection if one exists
          TYPE:
               int in [0, inf], default 0
     current_line
          Current line, and start line of selection if one exists
          TYPE:
               TextLine, (readonly, never None)
     current_line_index
          Index of current TextLine in TextLine collection
          TYPE:
               int in [-inf, inf], default 0
     filepath
          Filename of the text file
          TYPE:
               string, default ", (never None)
     indentation
          Use tabs or spaces for indentation
          • TABS Tabs - Indent using tabs.
          • SPACES Spaces - Indent using spaces.
          TYPE:
               enum in ['TABS', 'SPACES'], default 'TABS'
     is dirty
          Text file has been edited since last save
          TYPE:
               boolean, default False, (readonly)
     is_in_memory
          Text file is in memory, without a corresponding file on disk
          TYPE:
               boolean, default False, (readonly)
     is modified
          Text file on disk is different than the one in memory
```

10 10 1 / 1 1

```
boolean, default False, (readonly)
```

```
lines
    Lines of text
    TYPE:
         bpy_prop_collection of TextLine, (readonly)
select end character
    Index of character after end of selection in the selection end line
    TYPE:
         int in [0, inf], default 0
select_end_line
    End line of selection
    TYPE:
         TextLine, (readonly, never None)
select_end_line_index
    Index of last TextLine in selection
    TYPE:
         int in [-\inf], default 0
use module
    Run this text as a Python script on loading
    TYPE:
         boolean, default False
clear()
    clear the text block
write(text)
    write text at the cursor location and advance to the end of the text block
    PARAMETERS:
         text (string, (never None)) – New text for this data-block
from_string(text)
    Replace text with this string.
as_string()
    Return the text as a string
    RETURN TYPE:
         string, (never None)
is\_syntax\_highlight\_supported()
    Returns True if the editor supports syntax highlighting for the current text datablock
    RETURN TYPE:
         boolean
```

select_set(line_start, char_start, line_end, char_end)
Set selection range by line and character index

PARAMETERS:

- line start (int in [-inf, inf]) Start Line
- char start (int in [-inf, inf]) Start Character
- line end (int in [-inf, inf]) End Line
- char_end (int in [-inf, inf]) End Character

cursor_set(line, *, character=0, select=False)

Set cursor by line and (optionally) character index

PARAMETERS:

- line (int in $\lceil 0, inf \rceil$) Line
- **character** (*int in [0, inf], (optional)*) Character
- select (boolean, (optional)) Select when moving the cursor

as module()

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

region as string(range=None)

PARAMETERS:

range (tuple[tuple[int, int], tuple[int, int]]) — The region of text to be returned, defaulting to the selection when no range is passed. Each int pair represents a line and column: ((start_line, start_column), (end_line, end_column)) The values match Python's slicing logic (negative values count backwards from the end, the end value is not inclusive).

RETURNS:

The specified region as a string.

RETURN TYPE:

str.

region_from_string(body, range=None)

PARAMETERS:

- **body** (*str*) The text to be inserted.
- range (tuple[tuple[int, int], tuple[int, int]]) The region of text to be returned, defaulting to the selection when no range is passed. Each int pair represents a line and column: ((start_line, start_column), (end_line, end_column)) The values match Python's slicing logic (negative values count backwards from the end, the end value is not inclusive).

Inherited Properties

mucitud i topetues

- bpy struct.id data
- ID.name
- ID.name full
- ID.id type
- ID.session uid
- ID.is_evaluated
- ID.original
- ID.users
- ID.use fake user
- ID.use_extra_user
- ID.is_embedded_data

- ID.is missing
- ID.is runtime data
- ID.is editable
- ID.tag
- ID.is_library_indirect
- ID.library
- ID.library weak reference
- ID.asset data
- ID.override_library
- ID.preview

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 ID.override create
- 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 ID.bl_rna_get_subclass
- bpy_struct.property_unset

- bpy_struct.type_recast
- bpy struct.values
- ID.rename
- ID.evaluated get
- ID.copy
- ID.asset_mark
- ID.asset clear
- ID.asset generate preview
- ID.override_hierarchy_create
- ID.user clear
- ID.user remap
- ID.make local
- ID.user of id
- ID.animation_data_create
- ID.animation data clear
- ID.update_tag
- ID.preview ensure
- ID.bl rna get subclass py

References

- bpy.context.edit_text
- BlendData.texts
- BlendDataTexts.load
- BlendDataTexts.new
- BlendDataTexts.remove
- FreestyleModuleSettings.script
- NodeFrame.text
- PythonConstraint.text
- ShaderNodeScript.script
- ShaderNodeTexIES.ies
- SpaceTextEditor.text

Previous
TexPaintSlot(bpy_struct)
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Copyright © Blender Authors Made with Furo TextBox(bpy_stru

Skip to content TextBox(bpy_struct)

```
base class — bpy_struct
class bpy.types.TextBox(bpy_struct)
    Text bounding box for layout
     height
         TYPE:
              float in [0, inf], default 0.0
     width
         TYPE:
              float in [0, inf], default 0.0
     \mathbf{x}
         TYPE:
              float in [-inf, inf], default 0.0
     y
         TYPE:
              float in [-inf, inf], default 0.0
     class\,method\,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_pointerbpy_struct.driver_add
```

• bpy_struct.driver_remove

• bpy_struct.items

• bpy_struct.keyframe_delete

• bpy struct.keyframe insert

- 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.property_unset
- bpy_struct.is_property_readonly
- bpy_struct.is_property_set

- bpy_struct.keys
- bpy_struct.path_from_id
- bpy_struct.path_resolve
- bpy struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.type_recast
- bpy struct.values

References

• TextCurve.text_boxes

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TextCharacterFormat(bpy stru

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Skip to content TextCharacterFormat(bpy_struct)

```
base class — bpy_struct
class bpy.types.TextCharacterFormat(bpy_struct)
    Text character formatting settings
     kerning
         Spacing between characters
         TYPE:
              float in [-inf, inf], default 0.0
     material\_index
         Material slot index of this character
         TYPE:
              int in [0, inf], default 0
     use\_bold
         TYPE:
              boolean, default False
     use_italic
         TYPE:
              boolean, default False
     use_small_caps
         TYPE:
              boolean, default False
     use\_underline
         TYPE:
              boolean, default False
     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.property unset
- 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.type recast
- bpy struct.values

References

• TextCurve.body_format • TextCurve.edit_format

Previous TextBox(bpy struct)

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No TextCurve(Curv

Skip to content TextCurve(Curve)

```
base classes — bpy_struct, ID, Curve
```

class bpy.types.TextCurve(Curve)

Curve data-block used for storing text

active textbox

TYPE:

int in [-inf, inf], default 0

align_x

Text horizontal alignment from the object or text box center

- LEFT Left Align text to the left.
- CENTER Center Center text.
- RIGHT Right Align text to the right.
- JUSTIFY Justify Align to the left and the right.
- FLUSH Flush Align to the left and the right, with equal character spacing.

TYPE:

```
enum in ['LEFT', 'CENTER', 'RIGHT', 'JUSTIFY', 'FLUSH'], default 'LEFT'
```

align y

Text vertical alignment from the object center

- TOP Top Align text to the top.
- TOP BASELINE Top Baseline Align text to the top line's baseline.
- CENTER Middle Align text to the middle.
- BOTTOM BASELINE Bottom Baseline Align text to the bottom line's baseline.
- BOTTOM Bottom-Align text to the bottom.

TYPE:

```
enum in ['TOP', 'TOP_BASELINE', 'CENTER', 'BOTTOM_BASELINE', 'BOTTOM'], default 'TOP_BASELINE'
```

body

Content of this text object

TYPE:

```
string, default ", (never None)
```

body_format

Stores the style of each character

TYPE:

```
bpy prop collection of TextCharacterFormat, (readonly)
```

edit_format

Editing settings character formatting

TYPE:

```
TextCharacterFormat, (readonly)
```

family

Use objects as font characters (give font objects a common name followed by the character they represent, eg. 'family-a', 'family-b', etc. set

```
Con contract the formatter than contract the contract that the con
              this setting to 'family-', and turn on Vertex Instancing)
              TYPE:
                               string, default ", (never None)
follow_curve
              Curve deforming text object
              TYPE:
                                 Object
font
              TYPE:
                                VectorFont
font_bold
              TYPE:
                                VectorFont
font bold italic
              TYPE:
                                VectorFont
font_italic
              TYPE:
                               VectorFont
has selection
              Whether there is any text selected
              TYPE:
                               boolean, default False, (readonly)
is select bold
              Whether the selected text is bold
              TYPE:
                               boolean, default False, (readonly)
is\_select\_italic
              Whether the selected text is italics
              TYPE:
                               boolean, default False, (readonly)
is_select_smallcaps
              Whether the selected text is small caps
              TYPE:
                               boolean, default False, (readonly)
is_select_underline
```

Whether the selected text is underlined

boolean, default False, (readonly)

TYPE:

```
offset x
    Horizontal offset from the object origin
    TYPE:
         float in [-inf, inf], default 0.0
offset y
    Vertical offset from the object origin
    TYPE:
         float in [-inf, inf], default 0.0
overflow
    Handle the text behavior when it doesn't fit in the text boxes
    • NONE Overflow – Let the text overflow outside the text boxes.
    • SCALE Scale to Fit – Scale down the text to fit inside the text boxes.
    • TRUNCATE Truncate - Truncate the text that would go outside the text boxes.
    TYPE:
         enum in ['NONE', 'SCALE', 'TRUNCATE'], default 'NONE'
shear
    Italic angle of the characters
    TYPE:
         float in [-1, 1], default 0.0
size
    TYPE:
         float in [0.0001, 10000], default 1.0
small_caps_scale
    Scale of small capitals
    TYPE:
         float in [-inf, inf], default 0.75
space_character
    TYPE:
         float in [0, 10], default 1.0
space_line
    TYPE:
         float in [0, 10], default 1.0
space_word
    TYPE:
         float in [0, 10], default 1.0
text_boxes
    TYPE:
         bpy_prop_collection of TextBox, (readonly)
underline_height
```

```
TYPE:
              float in [0, 0.8], default 0.05
     underline position
         Vertical position of underline
         TYPE:
              float in [-0.2, 0.8], default 0.0
     use fast edit
         Don't fill polygons while editing
         TYPE:
              boolean, default False
     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
• ID.name
```

- ID.name full
- ID.id type
- ID.session_uid
- ID.is evaluated
- ID.original
- ID.users
- ID.use_fake_user
- ID.use extra user
- ID.is_embedded_data
- ID.is missing
- ID.is_runtime_data
- ID.is editable
- ID.tag
- ID.is library indirect
- ID.library

- Curve.bevel_profile
- Curve.bevel resolution
- Curve.offset
- Curve.extrude
- Curve.bevel depth
- Curve.resolution u
- Curve.resolution v
- Curve.render_resolution_u
- Curve.render resolution v
- Curve.eval_time
- Curve.bevel object
- Curve.taper object
- Curve.dimensions
- Curve.fill mode
- Curve.twist mode
- Curve.taper_radius_mode
- Curve.bevel factor mapping start

- ID. Library weak reference
- ID.asset data
- ID.override library
- ID.preview
- Curve.shape keys
- Curve.splines
- Curve.path duration
- Curve.use path
- Curve.use path follow
- Curve.use path clamp
- Curve.use stretch
- Curve.use_deform_bounds
- Curve.use radius
- Curve.bevel mode

- Curve.bevel_factor_mapping_end
- Curve.twist smooth
- Curve.use_fill_caps
- Curve.use map taper
- Curve.use auto texspace
- Curve.texspace location
- Curve.texspace_size
- Curve.materials
- Curve.bevel factor start
- Curve.bevel factor end
- Curve.is editmode
- Curve.animation data
- Curve.cycles

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
- ID.rename

- ID.evaluated_get
- ID.copy
- ID.asset_mark
- ID.asset_clear
- ID.asset_generate_preview
- ID.override_create
- ID.override_hierarchy_create
- ID.user_clear
- ID.user_remap
- ID.make_local
- ID.user_of_id
- ID.animation_data_create
- ID.animation_data_clear
- ID.update tag
- ID.preview ensure
- ID.bl rna get subclass
- ID.bl rna get subclass py
- Curve.transform
- Curve.validate_material_indices
- Curve.update_gpu_tag
- Curve.bl_rna_get_subclass
- Curve.bl_rna_get_subclass_py

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TextLine(bpy_struct)

```
base class — bpy_struct
class bpy.types.TextLine(bpy struct)
    Line of text in a Text data-block
     body
        Text in the line
         TYPE:
             string, default ", (never None)
     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.items
• bpy struct.driver add
                                             • bpy struct.keyframe delete
• bpy_struct.driver_remove
                                             • bpy_struct.keyframe_insert
• bpy struct.get
                                             • bpy struct.keys
• bpy_struct.id_properties_clear
                                             • bpy_struct.path_from_id
• bpy_struct.id_properties_ensure
                                             • bpy_struct.path_resolve
• bpy_struct.id_properties_ui
                                             • bpy struct.pop
• bpy struct.is property hidden
                                             • bpy_struct.property_overridable_library_set
• bpy_struct.is_property_overridable_library • bpy_struct.property_unset
• bpy struct.is property readonly
                                             • bpy struct.type recast
• bpy_struct.is_property_set
                                             • bpy struct.values
```

References

- Text.lines

• Text.current_line
• Text.select_end_line

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TextStrip(EffectStr

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Skip to content TextStrip(EffectStrip)

```
base classes — bpy_struct, Strip, EffectStrip
class bpy.types.TextStrip(EffectStrip)
     Sequence strip creating text
     alignment x
         Horizontal text alignment
         TYPE:
               enum in ['LEFT', 'CENTER', 'RIGHT'], default 'LEFT'
     anchor_x
         Horizontal position of the text box relative to Location
         TYPE:
               enum in ['LEFT', 'CENTER', 'RIGHT'], default 'LEFT'
     anchor_y
         Vertical position of the text box relative to Location
         TYPE:
               enum in ['TOP', 'CENTER', 'BOTTOM'], default 'TOP'
     box_color
         TYPE:
               float array of 4 items in [0, inf], default (0.0, 0.0, 0.0, 0.0)
     box_margin
         Box margin as factor of image width
         TYPE:
               float in [0, 1], default 0.01
     box\_roundness
         Box corner radius as a factor of box height
          TYPE:
               float in [0, 1], default 0.0
     color
         Text color
         TYPE:
               float array of 4 items in [0, inf], default (0.0, 0.0, 0.0, 0.0)
     font
         Font of the text. Falls back to the UI font by default.
         TYPE:
               VectorFont
     font_size
```

Size of the text

```
TYPE:
         float in [0, 2000], default 0.0
input count
    TYPE:
         int in [0, inf], default 0, (readonly)
location
    Location of the text
    TYPE:
          mathutils. Vector of 2 items in [-inf, inf], default (0.0, 0.0)
outline color
    TYPE:
         float array of 4 items in [0, inf], default (0.0, 0.0, 0.0, 0.0)
outline\_width
    TYPE:
         float in [0, 1], default 0.05
shadow angle
    TYPE:
         float in [0, 6.28319], default 1.13446
shadow_blur
    TYPE:
         float in [0, 1], default 0.0
shadow\_color
    TYPE:
         float array of 4 items in [0, inf], default (0.0, 0.0, 0.0, 0.0)
shadow_offset
    TYPE:
         float in [0, 1], default 0.04
text
    Text that will be displayed
    TYPE:
         string, default ", (never None)
use\_bold
    Display text as bold
    TYPE:
         boolean, default False
use\_box
    Display colored box behind text
    TYPE:
         boolean, default False
```

usa italia

```
Display text as italic
         TYPE:
              boolean, default False
     use_outline
         Display outline around text
         TYPE:
              boolean, default False
     use_shadow
         Display shadow behind text
         TYPE:
             boolean, default False
     wrap_width
         Word wrap width as factor, zero disables
         TYPE:
              float in [0, inf], default 0.0
     class\,method\,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
```

use_manc

•	<pre>bpy_struct.id_data</pre>	Strip.color_tag
•	Strip.name •	Strip.modifiers
•	Strip.type •	Strip.use_cache_raw
•	Strip.select •	Strip.use_cache_preprocessed
•	Strip.select_left_handle •	Strip.use_cache_composite
•	Strip.select_right_handle •	Strip.override_cache_settings
•	Strip.mute •	Strip.show_retiming_keys
•	Strip.lock •	EffectStrip.use_deinterlace
•	${\tt Strip.frame_final_duration} \ \bullet$	EffectStrip.alpha_mode
•	Strip.frame_duration •	<pre>EffectStrip.use_flip_x</pre>

•	Strip.frame_start •	<pre>EffectStrip.use_flip_y</pre>
•	Strip.frame_final_start •	EffectStrip.use_float
•	Strip.frame_final_end •	EffectStrip.use_reverse_frames
•	Strip.frame_offset_start •	EffectStrip.color_multiply
•	Strip.frame_offset_end •	EffectStrip.multiply_alpha
•	Strip.channel •	EffectStrip.color_saturation
•	Strip.use_linear_modifiers •	EffectStrip.strobe
•	Strip.blend_type •	EffectStrip.transform
•	Strip.blend_alpha •	EffectStrip.crop
•	Strip.effect_fader •	EffectStrip.use_proxy
•	Strip.use_default_fade •	EffectStrip.proxy

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 Strip.move_to_meta
- 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
- Strip.strip_elem_from_frame
- Strip.swap
- Strip.parent meta
- Strip.invalidate_cache
- Strip.split
- Strip.bl_rna_get_subclass
- Strip.bl rna get subclass py
- EffectStrip.bl rna get subclass
- EffectStrip.bl rna get subclass py

Previous TextLine(bpy struct)

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Texture(I

Skip to content Texture(ID)

float in [0, 2], default 1.0

```
base classes — bpy_struct, ID
subclasses — BlendTexture, CloudsTexture, DistortedNoiseTexture, ImageTexture, MagicTexture,
MarbleTexture, MusgraveTexture, NoiseTexture, StucciTexture, VoronoiTexture, WoodTexture
class bpy.types.Texture(ID)
    Texture data-block used by materials, lights, worlds and brushes
     animation_data
         Animation data for this data-block
         TYPE:
              AnimData, (readonly)
     color_ramp
         TYPE:
              ColorRamp, (readonly)
     contrast
         Adjust the contrast of the texture
         TYPE:
             float in [0, 5], default 1.0
     factor_blue
         TYPE:
             float in [0, 2], default 1.0
     factor_green
         TYPE:
             float in [0, 2], default 1.0
     factor_red
         TYPE:
             float in [0, 2], default 1.0
     intensity
         Adjust the brightness of the texture
         TYPE:
             float in [0, 2], default 1.0
     node_tree
         Node tree for node-based textures
         TYPE:
              NodeTree, (readonly)
     saturation
         Adjust the saturation of colors in the texture
         TYPE:
```

type

TYPE:

enum in Texture Type Items, default 'IMAGE'

use_clamp

Set negative texture RGB and intensity values to zero, for some uses like displacement this option can be disabled to get the full range

TYPE:

boolean, default False

use_color_ramp

Map the texture intensity to the color ramp. Note that the alpha value is used for image textures, enable "Calculate Alpha" for images without alpha channel.

TYPE:

boolean, default False

use nodes

Make this a node-based texture

TYPE:

boolean, default False

use_preview_alpha

Show Alpha in Preview Render

TYPE:

boolean, default False

users_material

Materials that use this texture

(readonly)

users_object_modifier

Object modifiers that use this texture

(readonly)

evaluate(value)

Evaluate the texture at the a given coordinate and returns the result

PARAMETERS:

value (mathutils.Vector of 3 items in [-inf, inf]) — The coordinates (x,y,z) of the texture, in case of a 3D texture, the z value is the slice of the texture that is evaluated. For 2D textures such as images, the z value is ignored.

RETURNS:

The result of the texture where (x,y,z,w) are (red, green, blue, intensity). For grayscale textures, often intensity only will be used.

RETURN TYPE:

```
mathutils. Vector of 4 items in [-inf, inf]
```

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
- ID.name
- ID.name_full
- ID.id_type
- ID.session_uid
- ID.is evaluated
- ID.original
- ID.users
- ID.use_fake_user
- ID.use extra user
- ID.is embedded data

- ID.is missing
- ID.is runtime_data
- ID.is editable
- ID.tag
- ID.is library_indirect
- ID.library
- ID.library weak reference
- ID.asset_data
- ID.override library
- ID.preview

- 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 ID.override_create
- 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 ID.bl_rna_get_subclass
- bpy struct.property unset

- bpy struct.type recast
- bpy struct.values
- ID.rename
- ID.evaluated get
- ID.copy
- ID.asset mark
- ID.asset clear
- ID.asset generate preview
- ID.override hierarchy create
- ID.user clear
- ID.user remap
- ID.make local
- ID.user of id
- ID.animation_data_create
- ID.animation data clear
- ID.update tag
- ID.preview ensure
- ID.bl rna get subclass py

References

- bpy.context.texture
- BlendData.textures
- BlendDataTextures.new
- BlendDataTextures.remove
- Brush.mask texture
- Brush.texture
- CompositorNodeTexture.texture
- DisplaceModifier.texture
- DynamicPaintSurface.init_texture
- FieldSettings.texture
- FluidFlowSettings.noise_texture
- FreestyleLineStyle.active_texture

- NodeSocketTexture.default value
- NodeTreeInterfaceSocketTexture.default_value
- ParticleSettings.active_texture
- TextureNodeTexture.texture
- TextureSlot.texture
- VertexWeightEditModifier.mask_texture
- VertexWeightMixModifier.mask texture
- VertexWeightProximityModifier.mask_texture
- VolumeDisplaceModifier.texture
- WarpModifier.texture
- WaveModifier.texture

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TextStrip(EffectStrip)

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Copyright © Blender Authors Made with Furo TextureNode(NodeIntern

TEXTURE_UL_texpaintslots(UIList)

```
base classes — bpy_struct, UIList
class bpy.types.TEXTURE UL texpaintslots(UIList)
    draw item( context, layout, data, item, icon, active data, active propname, index)
    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
UIList.bl_idname
UIList.list_id
UIList.layout_type
UIList.use_filter_sort_reverse
UIList.use_filter_sort_lock
UIList.use_filter_sort_lock
UIList.bitflag_filter_item

Inherited Functions

• bpy_struct.items

- 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.path_resolve
 bpy_struct.pop
 bpy_struct.property_overridable_library_set
 bpy_struct.property_unset
 bpy_struct.type_recast
 bpy_struct.values
 UIList.draw_item
 UIList.draw_filter
 UIList.filter_items
 UIList.append

• UIList.is extended

• UIList.prepend

- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id

- UIList.remove
- UIList.bl_rna_get_subclass
- UIList.bl_rna_get_subclass_py

Previous SurfaceModifier(Modifier)

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Copyright © Blender Authors Made with Furo TEXTURE_UL_texslots(UILi

Skip to content TEXTURE_UL_texslots(UIList)

```
base classes — bpy_struct, UIList
class bpy.types.TEXTURE UL texslots(UIList)
     draw item( context, layout, data, item, icon, active data, active propname, index)
    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
- UIList.bl idname
- UIList.list_id
- UIList.layout_type
- UIList.use_filter_show
- UIList.filter_name
- UIList.use filter invert
- UIList.use_filter_sort_alpha
- UIList.use_filter_sort_reverse
- UIList.use filter sort lock
- UIList.bitflag_filter_item

- bpy_struct.as_pointerbpy 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.path resolve
- bpy struct.pop
- bpy_struct.property_overridable_library_set
- bpy_struct.property_unset
- bpy struct.type recast
- bpy_struct.values
- UIList.draw_item
- UIList.draw_filter
- UIList.filter_items
- UIList.append
- UIList.is extended
- UIList.prepend

- bpy_struct.keyframe_delete
- bpy_struct.keyframe_insert
- bpy_struct.keys
- bpy_struct.path_from_id

- UIList.remove
- UIList.bl_rna_get_subclass
- UIList.bl_rna_get_subclass_py

Previous
TEXTURE_UL_texpaintslots(UIList)

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Copyright © Blender Authors Made with Furo No TexMapping(bpy_stru

Skip to content TextureNode(NodeInternal)

base classes — bpy struct, Node, NodeInternal

subclasses — TextureNodeAt, TextureNodeBricks, TextureNodeChecker, TextureNodeCombineColor, TextureNodeCompose, TextureNodeCoordinates, TextureNodeCurveRGB, TextureNodeCurveTime, TextureNodeDecompose, TextureNodeDistance, TextureNodeGroup, TextureNodeHueSaturation, TextureNodeImage, TextureNodeInvert, TextureNodeMath, TextureNodeMixRGB, TextureNodeOutput, TextureNodeRGBToBW, TextureNodeRotate, TextureNodeScale, TextureNodeSeparateColor, TextureNodeTexBlend, TextureNodeTexClouds, TextureNodeTexDistNoise, TextureNodeTexMagic, TextureNodeTexMarble, TextureNodeTexMusgrave, TextureNodeTexNoise, TextureNodeTexStucci, TextureNodeTexVoronoi, TextureNodeTexWood, TextureNodeTexture, TextureNodeTranslate, TextureNodeValToNor, TextureNodeValToRGB, TextureNodeViewer

class bpy.types.TextureNode(NodeInternal)

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

• Node.type

• Node.location

• Node.width

• Node.height

• Node.dimensions

• Node.name

• Node.label

• Node.inputs

• Node.outputs

• Node.internal links

• Node.parent

• Node.color

• Node.warning_propagation • Node.bl_width_max

Node.use custom color
 Node.bl height default

• Node.bl height min

• Node.select

• Node.show options

• Node.show preview

• Node.location_absolute • Node.hide

• Node.mute

• Node.show texture

• Node.bl idname

• Node.bl label

• Node.bl description

• Node.bl icon

• Node.bl static type

• Node.bl width default

• Node.bl width min

• Node.bl height max

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 Node.draw_buttons
- 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 NodeInternal.update
- bpy struct.property unset
- bpy struct.type recast
- bpy_struct.values
- Node.socket value update

- Node.is registered node type
- Node.poll
- Node.poll instance
- Node.update
- Node.insert link
- Node.init
- Node.copy
- Node.free
- Node.draw buttons ext
- Node.draw label
- Node.debug_zone_body_lazy_function_graph
- Node.debug zone lazy function graph
- Node.poll
- Node.bl rna_get_subclass
- Node.bl rna get subclass py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.draw buttons
- NodeInternal.draw buttons ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl rna get subclass py

Previous Texture(ID)

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TextureNodeAt(Te

TextureNodeAt(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeAt(TextureNode)
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
            Result
        RETURN TYPE:
            boolean
    classmethod input template(index)
        Input socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             {\tt NodeInternalSocketTemplate}
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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
- Node.type
- Node.location
- Node.location_absolute Node.hide
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.parent
- Node.warning_propagation Node.bl_width_max
- Node.use_custom_color Node.bl_height_default
- Node.color
- Node.color_tag

- Node.select
- Node.show options
- Node.show preview

 - Node.mute
 - Node.show texture
- Node.bl idname
 - Node.bl label
 - Node.bl description
- Node.bl icon
- Node.bl_static_type
- Node.internal_links Node.bl_width_default
 - Node.bl_width_min
 - Node.bl height min
 - Node.bl_height_max

- 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
- Node.socket_value_update
- Node.is registered node type
- Node.poll

- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl rna get subclass py
- NodeInternal.poll
- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl rna get subclass
- NodeInternal.bl_rna_get_subclass_py
- TextureNode.poll
- TextureNode.bl rna get subclass
- TextureNode.bl rna get subclass py

Previous TextureNode(NodeInternal) Report issue on this page Copyright © Blender Authors Made with Furo No TextureNodeBricks(TextureNodeBricks)

TextureNodeBricks(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeBricks(TextureNode)
     offset
        Determines the brick offset of the various rows
        TYPE:
             float in [0, 1], default 0.0
     offset_frequency
        Offset every N rows
        TYPE:
             int in [2, 99], default 0
     squash
         Factor to adjust the brick's width for particular rows determined by the Offset Frequency
        TYPE:
             float in [0, 99], default 0.0
     squash_frequency
        Squash every N rows
        TYPE:
             int in [2, 99], default 0
     classmethod is registered node type()
        True if a registered node type
        RETURNS:
             Result
         RETURN TYPE:
             boolean
     classmethod input_template(index)
        Input socket template
        PARAMETERS:
             index (int in [0, inf]) – Index
        RETURNS:
             result
        RETURN TYPE:
              NodeInternalSocketTemplate
     classmethod output_template(index)
        Output socket template
        PARAMETERS:
             index (int in [0, inf]) – Index
        RETURNS:
```

RETURN TYPE:

NodeInternalSocketTemplate

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 • Node.select

• Node.type

• Node.location

• Node.location absolute • Node.hide

Node.width

• Node.height

• Node.dimensions

• Node.name

• Node.label

• Node.inputs

• Node.outputs

• Node.warning propagation • Node.bl width max

• Node.use_custom_color • Node.bl_height_default

• Node.color

Node.show_options

Node.show preview

• Node.mute

Node.show texture

• Node.bl idname

• Node.bl label

• Node.bl description

• Node.bl icon

Node.bl_static_type

Node.internal_linksNode.bl_width_defaultNode.parentNode.bl width min

• Node.bl_height_min

• Node.color tag • Node.bl height max

- bpy_struct.as_pointer
- bpy_struct.driver_add
- bpy_struct.driver_remove
- bpy struct.get
- bpy_struct.id_properties_clear

- Node.poll_instance
- Node.update
- Node.insert link
- Node.init
- Node.copy

- 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
- Node.socket value update
- Node.is_registered_node_type
- Node.poll

- Node.free
- Node.draw buttons
- Node.draw buttons ext
- Node.draw_label
- Node.debug zone body lazy function graph
- Node.debug zone lazy function graph
- Node.poll
- Node.bl rna get subclass
- Node.bl rna get subclass py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw buttons ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl rna get subclass py
- TextureNode.poll
- TextureNode.bl_rna_get_subclass
- TextureNode.bl_rna_get_subclass_py

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TextureNodeAt(TextureNode)

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TextureNodeChecker(TextureNoc

TextureNodeChecker(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeChecker(TextureNode)
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
            Result
        RETURN TYPE:
            boolean
    classmethod input template(index)
        Input socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             {\tt NodeInternalSocketTemplate}
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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.
```

type

RETURN TYPE:

Inherited Properties

- bpy_struct.id data
- Node.type
- Node.location
- Node.location_absolute Node.hide
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.parent
- Node.warning_propagation Node.bl_width_max
- Node.use_custom_color Node.bl_height_default
- Node.color
- Node.color_tag

- Node.select
- Node.show options
- Node.show preview

 - Node.mute
 - Node.show texture
- Node.bl idname
 - Node.bl label
 - Node.bl description
- Node.bl icon
- Node.bl_static_type
- Node.internal_links Node.bl_width_default
 - Node.bl_width_min
 - Node.bl height min
 - Node.bl_height_max

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
- Node.socket_value_update
- Node.is registered node type
- Node.poll

- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl rna get subclass py
- NodeInternal.poll

• TextureNode.poll

- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl rna get subclass
- NodeInternal.bl_rna_get_subclass_py
- TextureNode.bl rna get subclass
- TextureNode.bl rna get subclass py

No

Copyright © Blender Authors TextureNodeCombineColor(TextureNoc Made with Furo

Previous TextureNodeBricks(TextureNode)

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TextureNodeCombineColor(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeCombineColor(TextureNode)
        Mode of color processing
        TYPE:
            enum in Node Combsep Color Items, default 'RGB'
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
            Result
        RETURN TYPE:
            boolean
    classmethod input_template(index)
        Input socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             NodeInternalSocketTemplate
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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
- Node.type
- Node.location
- Node.location absolute Node.hide
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.parent
- Node.warning_propagation Node.bl_width_max
- Node.color
- Node.color tag

- Node.select
 - Node.show options
- Node.show_preview
- Node.mute
- Node.show_texture
- Node.bl idname
 - Node.bl label
 - Node.bl description
- Node.bl icon
 - Node.bl static type
- Node.internal_links Node.bl_width_default
 - Node.bl width min
- Node.use_custom_color Node.bl_height_default
 - Node.bl height min
 - Node.bl height max

- 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

- Node.poll instance
- Node.update
- Node.insert link
- Node.init
- Node.copy
- Node.free
- Node.draw buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl rna get subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl rna get subclass

- bpy_struct.type_recast
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll

- NodeInternal.bl_rna_get_subclass_py
- TextureNode.poll
- TextureNode.bl_rna_get_subclass
- TextureNode.bl_rna_get_subclass_py

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TextureNodeChecker(TextureNode)

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No TextureNodeCompose(TextureNod

TextureNodeCompose(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeCompose(TextureNode)
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
             Result
        RETURN TYPE:
             boolean
    classmethod input template(index)
        Input socket template
        PARAMETERS:
             index (int in \lceil 0, inf \rceil) – Index
        RETURNS:
             result
        RETURN TYPE:
             {\tt NodeInternalSocketTemplate}
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
             index (int in [0, inf]) – Index
        RETURNS:
             result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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.
```

type

RETURN TYPE:

Inherited Properties

- bpy_struct.id data
- Node.type
- Node.location
- Node.location_absolute Node.hide
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.parent
- Node.warning_propagation Node.bl_width_max
- Node.use_custom_color Node.bl_height_default
- Node.color
- Node.color_tag

- Node.select
- Node.show options
- Node.show preview

 - Node.mute
 - Node.show texture
- Node.bl idname
 - Node.bl label
 - Node.bl description
- Node.bl icon
- Node.bl_static_type
- Node.internal_links Node.bl_width_default
 - Node.bl_width_min
 - Node.bl height min
 - Node.bl_height_max

- 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
- Node.socket_value_update
- Node.is registered node type
- Node.poll

- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl rna get subclass py
- NodeInternal.poll
- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl rna get subclass
- NodeInternal.bl_rna_get_subclass_py
- TextureNode.poll
- TextureNode.bl rna get subclass
- TextureNode.bl rna get subclass py

Previous
TextureNodeCombineColor(TextureNode)
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Copyright © Blender Authors Made with Furo No TextureNodeCoordinates(TextureNodeCoordinates)

TextureNodeCoordinates(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeCoordinates(TextureNode)
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
             Result
        RETURN TYPE:
             boolean
    classmethod input template(index)
        Input socket template
        PARAMETERS:
             index (int in \lceil 0, inf \rceil) – Index
        RETURNS:
             result
        RETURN TYPE:
             {\tt NodeInternalSocketTemplate}
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
             index (int in [0, inf]) – Index
        RETURNS:
             result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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.
```

type

RETURN TYPE:

Inherited Properties

- bpy_struct.id data
- Node.type
- Node.location
- Node.location_absolute Node.hide
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.parent
- Node.warning_propagation Node.bl_width_max
- Node.use_custom_color Node.bl_height_default
- Node.color
- Node.color_tag

- Node.select
- Node.show options
- Node.show preview

 - Node.mute
 - Node.show texture
- Node.bl idname
 - Node.bl label
 - Node.bl description
- Node.bl icon
- Node.bl_static_type
- Node.internal_links Node.bl_width_default
 - Node.bl_width_min
 - Node.bl height min
 - Node.bl_height_max

- 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
- Node.socket_value_update
- Node.is registered node type
- Node.poll

- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl rna get subclass py
- NodeInternal.poll
- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl rna get subclass
- NodeInternal.bl_rna_get_subclass_py
- TextureNode.poll
- TextureNode.bl rna get subclass
- TextureNode.bl rna get subclass py

No TextureNodeCurveRGB(TextureNoc

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Previous
TextureNodeCompose(TextureNode)

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TextureNodeCurveRGB(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeCurveRGB(TextureNode)
    mapping
        TYPE:
             CurveMapping, (readonly)
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
            Result
        RETURN TYPE:
            boolean
    classmethod input template(index)
        Input socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             NodeInternalSocketTemplate
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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

• Node.type

• Node.location

• Node.location absolute • Node.hide

• Node.width

• Node.height

• Node.dimensions

• Node.name

• Node.label

• Node.inputs

• Node.outputs

• Node.internal links

• Node.parent

• Node.warning_propagation • Node.bl_width_max

• Node.color

• Node.color tag

• Node.select

• Node.show options

• Node.show preview

• Node.mute

• Node.show texture

• Node.bl idname

• Node.bl label

• Node.bl description

• Node.bl icon

• Node.bl static type

• Node.bl width default

• Node.bl width min

• Node.use custom color • Node.bl height default

• Node.bl height min

• Node.bl height max

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

• bov struct.values

• Node.poll instance

• Node.update

• Node.insert link

• Node.init

• Node.copy

• Node.free

• Node.draw buttons

• Node.draw buttons ext

• Node.draw label

• Node.debug_zone_body_lazy_function_graph

• Node.debug zone lazy function graph

• Node.poll

• Node.bl rna get subclass

• Node.bl rna get subclass py

• NodeInternal.poll

• NodeInternal.poll_instance

• NodeInternal.update

NodeInternal.draw buttons

• NodeInternal.draw_buttons_ext

• NodeInternal.bl rna get subclass

• NodeInternal.bl_rna_get_subclass_py

~p_______........

- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll

- TextureNode.poll
- TextureNode.bl_rna_get_subclass
- TextureNode.bl_rna_get_subclass_py

Previous TextureNodeCoordinates(TextureNode)

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Note TextureNodeCurveTime(TextureNodeCurveTime)

TextureNodeCurveTime(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeCurveTime(TextureNode)
    curve
        TYPE:
             CurveMapping, (readonly)
    frame_end
        TYPE:
             int in [-32768, 32767], default 0
    frame start
        TYPE:
             int in [-32768, 32767], default 0
    class\,method\,is\_registered\_node\_type()
        True if a registered node type
        RETURNS:
             Result
         RETURN TYPE:
             boolean
    classmethod input_template(index)
        Input socket template
        PARAMETERS:
             index (int in \lceil 0, inf \rceil) – Index
        RETURNS:
             result
        RETURN TYPE:
             NodeInternalSocketTemplate
    class method output template(index)
        Output socket template
        PARAMETERS:
             index (int in \lceil 0, inf \rceil) – Index
        RETURNS:
             result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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

• Node.type

• Node.location

• Node.location_absolute • Node.hide

• Node.width

Node.height

• Node.dimensions

• Node.name

• Node.label

Node.inputs

• Node.outputs

• Node.parent

• Node.warning propagation • Node.bl width max

• Node.use_custom_color • Node.bl_height_default

• Node.color

• Node.select

• Node.show options

• Node.show preview

• Node.mute

• Node.show texture

• Node.bl idname

• Node.bl label

• Node.bl description

• Node.bl icon

• Node.bl static type

• Node.internal_links • Node.bl_width_default

• Node.bl width min

• Node.bl height min

Node.color tag
 Node.bl height max

- 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

- Node.poll instance
- Node.update
- Node.insert link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl rna get subclass
- Node.bl rna get subclass py

- 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
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll

- NodeInternal.poll
- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw buttons ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- TextureNode.poll
- TextureNode.bl_rna_get_subclass
- TextureNode.bl rna get subclass py

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TextureNodeCurveRGB(TextureNode)

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No TextureNodeDecompose(TextureNoc

TextureNodeDecompose(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeDecompose(TextureNode)
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
             Result
        RETURN TYPE:
             boolean
    classmethod input template(index)
        Input socket template
        PARAMETERS:
             index (int in \lceil 0, inf \rceil) – Index
        RETURNS:
             result
        RETURN TYPE:
             {\tt NodeInternalSocketTemplate}
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
             index (int in [0, inf]) – Index
        RETURNS:
             result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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
- Node.type
- Node.location
- Node.location_absolute Node.hide
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.parent
- Node.warning_propagation Node.bl_width_max
- Node.use_custom_color Node.bl_height_default
- Node.color
- Node.color_tag

- Node.select
- Node.show options
- Node.show preview

 - Node.mute
 - Node.show texture
- Node.bl idname
 - Node.bl label
 - Node.bl description
- Node.bl icon
- Node.bl_static_type
- Node.internal_links Node.bl_width_default
 - Node.bl_width_min
 - Node.bl height min
 - Node.bl_height_max

- 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
- Node.socket_value_update
- Node.is registered node type
- Node.poll

- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl rna get subclass py
- NodeInternal.poll
- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl rna get subclass
- NodeInternal.bl_rna_get_subclass_py
- TextureNode.poll
- TextureNode.bl rna get subclass
- TextureNode.bl rna get subclass py

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TextureNodeCurveTime(TextureNode)
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Copyright © Blender Authors Made with Furo No TextureNodeDistance(TextureNoc

TextureNodeDistance(TextureNode)

```
base classes — bpy_struct, Node, NodeInternal, TextureNode
class bpy.types.TextureNodeDistance(TextureNode)
    classmethod is_registered_node_type()
        True if a registered node type
        RETURNS:
            Result
        RETURN TYPE:
            boolean
    classmethod input template(index)
        Input socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             {\tt NodeInternalSocketTemplate}
    classmethod output_template(index)
        Output socket template
        PARAMETERS:
            index (int in [0, inf]) – Index
        RETURNS:
            result
        RETURN TYPE:
             NodeInternalSocketTemplate
    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
- Node.type
- Node.location
- Node.location_absolute Node.hide
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.parent
- Node.warning_propagation Node.bl_width_max
- Node.use_custom_color Node.bl_height_default
- Node.color
- Node.color_tag

- Node.select
- Node.show options
- Node.show preview

 - Node.mute
 - Node.show texture
- Node.bl idname
 - Node.bl label
- Node.bl description
- Node.bl icon
- Node.bl_static_type
- Node.internal_links Node.bl_width_default
 - Node.bl_width_min
 - Node.bl height min
 - Node.bl_height_max

- 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
- Node.socket_value_update
- Node.is registered node type
- Node.poll

- Node.poll_instance
- Node.update
- Node.insert_link
- Node.init
- Node.copy
- Node.free
- Node.draw_buttons
- Node.draw buttons ext
- Node.draw label
- Node.debug zone body lazy function graph
- Node.debug_zone_lazy_function_graph
- Node.poll
- Node.bl_rna_get_subclass
- Node.bl rna get subclass py
- NodeInternal.poll
- NodeInternal.poll instance
- NodeInternal.update
- NodeInternal.draw buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl rna get subclass
- NodeInternal.bl_rna_get_subclass_py
- TextureNode.poll
- TextureNode.bl rna get subclass
- TextureNode.bl rna get subclass py

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