Table of Contents

Table of Contents	1
MotionPathVert(bpy_struct)	3
Inherited Properties	3
Inherited Functions	3
References	4
NodeSocket(bpy_struct)	78
Inherited Properties	81
Inherited Functions	81
References	81
NodeSocketBool(NodeSocketStandard)	83
Inherited Properties	83
Inherited Functions	84
NodeSocketCollection(NodeSocketStandard)	85
Inherited Properties Inherited Functions	85 86
NodeSocketColor(NodeSocketStandard)	87
Inherited Properties	87
Inherited Functions	88
NodeSocketFloat(NodeSocketStandard)	89
Inherited Properties	89
Inherited Functions	90
NodeSocketFloatAngle(NodeSocketStandard)	91
Inherited Properties	91
Inherited Functions	92
NodeSocketFloatColorTemperature(NodeSocketStandard)	93
Inherited Properties , , , , , , , , , , , , , , , , , , ,	93
Inherited Functions	94
NodeSocketFloatDistance(NodeSocketStandard)	95
Inherited Properties	95
Inherited Functions	96
NodeSocketFloatFactor(NodeSocketStandard)	97
Inherited Properties	97
Inherited Functions	98
NodeSocketFloatFrequency(NodeSocketStandard)	99
Inherited Properties Inherited Functions	99 100
NodeSocketFloatPercentage(NodeSocketStandard)	101
Inherited Properties	101
Inherited Functions	102
NodeSocketFloatTime(NodeSocketStandard)	103
Inherited Properties	103
Inherited Functions	104
NodeSocketFloatTimeAbsolute(NodeSocketStandard)	105
Inherited Properties	105
Inherited Functions	106
NodeSocketFloatUnsigned(NodeSocketStandard)	107
Inherited Properties	107
Inherited Functions	108
NodeSocketFloatWavelength(NodeSocketStandard)	109
Inherited Properties	109
Inherited Functions	110
NodeSocketGeometry(NodeSocketStandard)	111
Inherited Properties	111
Inherited Functions	112
NodeSocketImage(NodeSocketStandard)	113
Inherited Properties Inherited Functions	113 114
NodeSocketInt(NodeSocketStandard)	115
riododonatifit(friodadothatotalidald)	113

Inherited Properties	115
Inherited Functions	116
NodeSocketIntFactor(NodeSocketStandard)	117
Inherited Properties	117
Inherited Functions	118
NodeSocketIntPercentage(NodeSocketStandard)	119
Inherited Properties	119
Inherited Functions	120
NodeSocketIntUnsigned(NodeSocketStandard)	121
Inherited Properties	121
Inherited Functions	122
NodeSocketMaterial(NodeSocketStandard)	123
Inherited Properties	123
Inherited Functions	124
NodeSocketMatrix(NodeSocketStandard)	125
Inherited Properties	125
Inherited Functions	126
NodeSocketMenu(NodeSocketStandard)	127
Inherited Properties	127
Inherited Functions	128
NodeSocketObject(NodeSocketStandard)	129
Inherited Properties	129
Inherited Functions	130
NodeSocketRotation(NodeSocketStandard)	131
Inherited Properties	131
Inherited Functions	132

Skip to content MotionPathVert(bpy_struct)

```
base class — bpy_struct
class bpy.types.MotionPathVert(bpy struct)
    Cached location on path
     co
        TYPE:
              mathutils. Vector of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)
     select
        Path point is selected for 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

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.itemsbpy_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.is property overridable library bpy struct.property unset

- bpy_struct.is_property_readonly
- bpy_struct.is_property_set

- bpy_struct.type_recast
- bpy_struct.values

References

• MotionPath.points

Previous MotionPath(bpy_struct) Report issue on this page Copyright © Blender Authors Made with Furo No MovieClip(I

NodeSocket(bpy_struct)

identifier

```
base class — bpy_struct
subclasses — NodeSocketStandard
class bpy.types.NodeSocket(bpy_struct)
    Input or output socket of a node
     bl idname
         TYPE:
              string, default ", (never None)
     bl label
         Label to display for the socket type in the UI
         TYPE:
              string, default ", (never None)
     bl subtype label
         Label to display for the socket subtype in the UI
         TYPE:
              string, default "", (never None)
     description
         Socket tooltip
         TYPE:
              string, default ", (never None)
     display_shape
         Socket shape
         TYPE:
              enum in ['CIRCLE', 'SQUARE', 'DIAMOND', 'CIRCLE_DOT', 'SQUARE_DOT', 'DIAMOND_DOT'], default 'CIRCLE'
     enabled
         Enable the socket
         TYPE:
              boolean, default False
     hide
         Hide the socket
         TYPE:
              boolean, default False
     hide_value
         Hide the socket input value
         TYPE:
              boolean, default False
```

```
Unique identifier for mapping sockets
    TYPE:
         string, default ", (readonly, never None)
is linked
    True if the socket is connected
    TYPE:
         boolean, default False, (readonly)
is_multi_input
    True if the socket can accept multiple ordered input links
    TYPE:
         boolean, default False, (readonly)
is_output
    True if the socket is an output, otherwise input
    TYPE:
         boolean, default False, (readonly)
is_unavailable
    True if the socket is unavailable
    TYPE:
         boolean, default False, (readonly)
label
    Custom dynamic defined socket label
    TYPE:
         string, default ", (readonly, never None)
link limit
    Max number of links allowed for this socket
    TYPE:
         int in [1, 4095], default 0
name
    Socket name
    TYPE:
         string, default ", (never None)
node
    Node owning this socket
    TYPE:
          Node, (readonly)
pin_gizmo
    Keep gizmo visible even when the node is not selected
    TYPE:
```

boolean, default False

show expanded

Socket links are expanded in the user interface

TYPE:

boolean, default False

type

Data type

TYPE:

enum in Node Socket Type Items, default 'VALUE'

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(readonly)

draw(context, layout, node, text)

Draw socket

PARAMETERS:

- layout (UILayout, (never None)) Layout, Layout in the UI
- $\bullet \;\; \text{ node } (\, \texttt{Node} \,, (\text{never None})) Node, Node the socket belongs to \,$
- text (string, (never None)) Text, Text label to draw alongside properties

draw color(context, node)

Color of the socket icon

PARAMETERS:

node (Node, (never None)) - Node, Node the socket belongs to

RETURNS:

Color

RETURN TYPE:

float array of 4 items in [0, 1]

classmethod draw_color_simple()

Color of the socket icon. Used to draw sockets in places where the socket does not belong to a node, like the node interface panel. Also use to draw node sockets if draw_color is not defined.

RETURNS:

Color

RETURN TYPE:

float array of 4 items in [0, 1]

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id(str) – The RNA type identifier.

RETURNS.

```
MI OM W.
```

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

- CompositorNodeOutputFileFileSlots.new
- CompositorNodeOutputFileFileSlots.remove
- CompositorNodeOutputFileLayerSlots.new
- CompositorNodeOutputFileLayerSlots.remove
- Node.inputs
- Node.outputs
- NodeInputs.new
- NodeInputs.remove
- NodeLink.from socket
- NodeLink.to socket
- NodeLinks.new
- NodeLinks.new
- NodeOutputs.new
- NodeOutputs.remove

- NodeTreeInterfaceSocketGeometr
- NodeTreeInterfaceSocketImage.f
- NodeTreeInterfaceSocketImage.i
- NodeTreeInterfaceSocketInt.fro
- NodeTreeInterfaceSocketInt.ini
- NodeTreeInterfaceSocketIntFact
- NodeTreeInterfaceSocketIntFact
- NodeTreeInterfaceSocketIntPerc
- NodeTreeInterfaceSocketIntPerc
- NodeTreeInterfaceSocketIntUnsi
- NodeTreeInterfaceSocketIntUnsi
- NodeTreeInterfaceSocketMateria
- NodeTreeInterfaceSocketMateria
- NodeTreeInterfaceSocketMatrix.

- NodeTreeInterfaceSocket.from socket
- NodeTreeInterfaceSocket.init socket
- NodeTreeInterfaceSocketBool.from socket
- NodeTreeInterfaceSocketBool.init socket
- NodeTreeInterfaceSocketCollection.from socket
- NodeTreeInterfaceSocketCollection.init socket
- NodeTreeInterfaceSocketColor.from socket
- NodeTreeInterfaceSocketColor.init socket
- NodeTreeInterfaceSocketFloat.from socket
- NodeTreeInterfaceSocketFloat.init socket
- NodeTreeInterfaceSocketFloatAngle.from socket
- NodeTreeInterfaceSocketFloatAngle.init socket
- NodeTreeInterfaceSocketFloatColorTemperature.from socket NodeTreeInterfaceSocketStringF
- NodeTreeInterfaceSocketFloatColorTemperature.init_socket NodeTreeInterfaceSocketTexture
- NodeTreeInterfaceSocketFloatDistance.from socket
- NodeTreeInterfaceSocketFloatDistance.init socket
- NodeTreeInterfaceSocketFloatFactor.from socket
- NodeTreeInterfaceSocketFloatFactor.init socket
- NodeTreeInterfaceSocketFloatFrequency.from socket
- NodeTreeInterfaceSocketFloatFrequency.init socket
- NodeTreeInterfaceSocketFloatPercentage.from socket
- NodeTreeInterfaceSocketFloatPercentage.init socket
- NodeTreeInterfaceSocketFloatTime.from socket
- NodeTreeInterfaceSocketFloatTime.init socket
- NodeTreeInterfaceSocketFloatTimeAbsolute.from_socket
- NodeTreeInterfaceSocketFloatTimeAbsolute.init_socket
- NodeTreeInterfaceSocketFloatUnsigned.from_socket
- NodeTreeInterfaceSocketFloatUnsigned.init_socket
- NodeTreeInterfaceSocketFloatWavelength.from_socket
- NodeTreeInterfaceSocketFloatWavelength.init_socket
- NodeTreeInterfaceSocketGeometry.from_socket

- NodeTreeInterfaceSocketMatrix.
- NodeTreeInterfaceSocketMenu.fr
- NodeTreeInterfaceSocketMenu.in
- NodeTreeInterfaceSocketObject.
- NodeTreeInterfaceSocketObject.
- NodeTreeInterfaceSocketRotatio
- NodeTreeInterfaceSocketRotatio
- NodeTreeInterfaceSocketShader.
- NodeTreeInterfaceSocketShader.
- NodeTreeInterfaceSocketString.
- NodeTreeInterfaceSocketString.
- NodeTreeInterfaceSocketStringF

- NodeTreeInterfaceSocketTexture
- $\bullet \ \ \texttt{NodeTreeInterfaceSocketVector.}$
- NodeTreeInterfaceSocketVector.
- NodeTreeInterfaceSocketVectorA
- NodeTreeInterfaceSocketVectorA
- NodeTreeInterfaceSocketVectorD
- NodeTreeInterfaceSocketVectorD
- NodeTreeInterfaceSocketVectorE
- NodeTreeInterfaceSocketVectorE
- NodeTreeInterfaceSocketVectorT
- NodeTreeInterfaceSocketVectorT
- NodeTreeInterfaceSocketVectorV
- NodeTreeInterfaceSocketVectorV
- NodeTreeInterfaceSocketVectorX
- NodeTreeInterfaceSocketVectorX
- UILayout.template_node_link
- UILayout.template node view

Previous NodeReroute(NodeInternal) Report issue on this page Copyright © Blender Authors

Made with Furo

NodeSocketBool(NodeSocketStandar

4

NodeSocketBool(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketBool(NodeSocketStandard)

Boolean value socket of a node

default value

Input value used for unconnected socket

TYPE:

boolean, default False

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocket(bpy struct)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketCollection(NodeSocketStandar

NodeSocketCollection(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
class bpy.types.NodeSocketCollection(NodeSocketStandard)
    Collection socket of a node
```

default value

Input value used for unconnected socket

TYPE:

Collection

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show expanded
- NodeSocket.hide value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display shape
- NodeSocket.bl idname

__ . _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketBool(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketColor(NodeSocketStandar

NodeSocketColor(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketColor(NodeSocketStandard)

RGBA color socket of a node

default value

Input value used for unconnected socket

TYPE:

float array of 4 items in [0, inf], default (0.0, 0.0, 0.0, 0.0)

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketCollection(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloat(NodeSocketStandar

NodeSocketFloat(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloat(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape

• NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketColor(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatAngle(NodeSocketStandar

NodeSocketFloatAngle(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatAngle(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloat(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

Node Socket Float Color Temperature (Node Socket Standard Value Float Color Temperature) and the socket Standard Value Float Color Temperature (Node Socket Standard Value Float Color Temperature) and the socket Standard Value Float Color Temperature (Node Socket Standard Value Float Color Temperature).

NodeSocketFloatColorTemperature(NodeSocketStandard)

```
base\ classes -- \ \texttt{bpy\_struct}, \ \texttt{NodeSocket}, \ \texttt{NodeSocketStandard}
```

class bpy.types.NodeSocketFloatColorTemperature(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _ _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatAngle(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatDistance(NodeSocketStandar

NodeSocketFloatDistance(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatDistance(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _ _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatColorTemperature(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatFactor(NodeSocketStandar

NodeSocketFloatFactor(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatFactor(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [0, 1], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _ _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatDistance(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatFrequency(NodeSocketStandar

NodeSocketFloatFrequency(NodeSocketStandard)

base classes — bpy_struct, NodeSocket, NodeSocketStandard

```
class bpy.types.NodeSocketFloatFrequency(NodeSocketStandard)
```

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatFactor(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatPercentage(NodeSocketStandar

NodeSocketFloatPercentage(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatPercentage(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _ _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatFrequency(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatTime(NodeSocketStandar

NodeSocketFloatTime(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatTime(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatPercentage(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatTimeAbsolute(NodeSocketStandar

NodeSocketFloatTimeAbsolute(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatTimeAbsolute(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatTime(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatUnsigned(NodeSocketStandar

NodeSocketFloatUnsigned(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatUnsigned(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [0, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _ _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatTimeAbsolute(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketFloatWavelength(NodeSocketStandar

NodeSocketFloatWavelength(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketFloatWavelength(NodeSocketStandard)

Floating-point number socket of a node

default value

Input value used for unconnected socket

TYPE:

float in [-inf, inf], default 0.0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketFloatUnsigned(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketGeometry(NodeSocketStandar

NodeSocketGeometry(NodeSocketStandard)

base classes — bpy_struct, NodeSocket, NodeSocketStandard

class bpy.types.NodeSocketGeometry(NodeSocketStandard)

Geometry socket of a node

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled
- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input

- NodeSocket.show expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl idname
- NodeSocket.bl_label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl_rna_get_subclass
- NodeSocket.bl rna get subclass py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

NodeSocketFloatWavelength(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketImage(NodeSocketStandar

NodeSocketImage(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
class bpy.types.NodeSocketImage(NodeSocketStandard)
    Image socket of a node
    default value
        Input value used for unconnected socket
        TYPE:
             Image
    links
        List of node links from or to this socket.
        TYPE:
             NodeLinks
            Note
         Takes O(len(nodetree.links)) time.
        (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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketGeometry(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketInt(NodeSocketStandar

NodeSocketInt(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketInt(NodeSocketStandard)

Integer number socket of a node

default value

Input value used for unconnected socket

TYPE:

int in [-inf, inf], default 0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketImage(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketIntFactor(NodeSocketStandar

NodeSocketIntFactor(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketIntFactor(NodeSocketStandard)

Integer number socket of a node

default value

Input value used for unconnected socket

TYPE:

int in [0, inf], default 1

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _ _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketInt(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketIntPercentage(NodeSocketStandar

NodeSocketIntPercentage(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketIntPercentage(NodeSocketStandard)

Integer number socket of a node

default value

Input value used for unconnected socket

TYPE:

int in [0, inf], default 100

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketIntFactor(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketIntUnsigned(NodeSocketStandar

NodeSocketIntUnsigned(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketIntUnsigned(NodeSocketStandard)

Integer number socket of a node

default value

Input value used for unconnected socket

TYPE:

int in [0, inf], default 0

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketIntPercentage(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketMaterial(NodeSocketStandar

NodeSocketMaterial(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketMaterial(NodeSocketStandard)

Material socket of a node

default value

Input value used for unconnected socket

TYPE:

Material

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _ _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketIntUnsigned(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketMatrix(NodeSocketStandar

NodeSocketMatrix(NodeSocketStandard)

base classes — bpy_struct, NodeSocket, NodeSocketStandard

class bpy.types.NodeSocketMatrix(NodeSocketStandard)

Matrix value socket of a node

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled
- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input

- NodeSocket.show expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl idname
- NodeSocket.bl_label
- NodeSocket.bl_subtype_label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl_rna_get_subclass
- NodeSocket.bl rna get subclass py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

NodeSocketMaterial(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketMenu(NodeSocketStandar

NodeSocketMenu(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketMenu(NodeSocketStandard)

Menu socket of a node

default value

Input value used for unconnected socket

TYPE:

enum in [], default "

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketMatrix(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketObject(NodeSocketStandar

NodeSocketObject(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
class bpy.types.NodeSocketObject(NodeSocketStandard)
    Object socket of a node
    default value
        Input value used for unconnected socket
        TYPE:
             Object
    links
        List of node links from or to this socket.
        TYPE:
             NodeLinks
            Note
         Takes O(len(nodetree.links)) time.
        (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:
```

Inherited Properties

RETURNS:

RETURN TYPE: type

id (str) – The RNA type identifier.

The class or default when not found.

- bpy_struct.id_data
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin_gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketMenu(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketRotation(NodeSocketStandar

NodeSocketRotation(NodeSocketStandard)

```
base classes — bpy_struct, NodeSocket, NodeSocketStandard
```

class bpy.types.NodeSocketRotation(NodeSocketStandard)

Rotation value socket of a node

default value

Input value used for unconnected socket

TYPE:

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

links

List of node links from or to this socket.

TYPE:

NodeLinks

Note

Takes O(len(nodetree.links)) time.

(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:

 $\verb|bpy.types.Struct| subclass|$

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
- NodeSocket.name
- NodeSocket.label
- NodeSocket.identifier
- NodeSocket.description
- NodeSocket.is_output
- NodeSocket.hide
- NodeSocket.enabled

- NodeSocket.show_expanded
- NodeSocket.hide_value
- NodeSocket.pin gizmo
- NodeSocket.node
- NodeSocket.type
- NodeSocket.display_shape
- NodeSocket.bl_idname

__ . _

- NodeSocket.link limit
- NodeSocket.is linked
- NodeSocket.is_unavailable
- NodeSocket.is multi input
- NodeSocket.bl label
- NodeSocket.bl subtype label
- NodeSocket.links
- NodeSocketStandard.links

- 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 NodeSocket.draw color simple
- 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
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.bl rna get subclass
- NodeSocket.bl_rna_get_subclass_py
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeSocketStandard.draw color simple
- NodeSocketStandard.bl rna get subclass
- NodeSocketStandard.bl_rna_get_subclass_py

Previous NodeSocketObject(NodeSocketStandard)

Report issue on this page

Copyright © Blender Authors Made with Furo

NodeSocketShader(NodeSocketStandar