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FunctionNodeAxesToRotation(FunctionNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `FunctionNode`

class bpy.types.**FunctionNodeAxesToRotation(FunctionNode)**

Create a rotation from a primary and (ideally orthogonal) secondary axis

primary_axis

Axis that is aligned exactly to the provided primary direction

TYPE:

enum in ['X', 'Y', 'Z'], default 'X'

secondary_axis

Axis that is aligned as well as possible given the alignment of the primary axis

TYPE:

enum in ['X', 'Y', 'Z'], default 'X'

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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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`
- `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`

- `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`
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- `Node.socket_value_update`
- `Node.is_registered_node_type`
- `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`
- `FunctionNode.bl_rna_get_subclass`
- `FunctionNode.bl_rna_get_subclass_py`

GeometryNodeCurveToPoints(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeCurveToPoints(GeometryNode)**

Generate a point cloud by sampling positions along curves

> **mode**
>
> How to generate points from the input curve
>
> - `EVALUATED` Evaluated – Create points from the curve's evaluated points, based on the resolution attribute for NURBS and Bézier splines.
> - `COUNT` Count – Sample each spline by evenly distributing the specified number of points.
> - `LENGTH` Length – Sample each spline by splitting it into segments with the specified length.
>
> **TYPE:**
> > enum in ['EVALUATED', 'COUNT', 'LENGTH'], default 'COUNT'

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:**

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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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`
- `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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeCustomGroup(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeCustomGroup(GeometryNode)**

> Custom Geometry Group Node for Python nodes
>
> > **node_tree**
> >
> > > **TYPE:**
> > >
> > > > `NodeTree`
> >
> > **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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`

- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeDeformCurvesOnSurface(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeDeformCurvesOnSurface(GeometryNode)**

Translate and rotate curves based on changes between the object's original and evaluated surface mesh

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

type

Inherited Properties

- [bpy_struct.id_data](#)
- [Node.type](#)
- [Node.location](#)
- [Node.location_absolute](#)
- [Node.width](#)
- [Node.height](#)
- [Node.dimensions](#)
- [Node.name](#)
- [Node.label](#)
- [Node.inputs](#)
- [Node.outputs](#)
- [Node.internal_links](#)
- [Node.parent](#)
- [Node.warning_propagation](#)
- [Node.use_custom_color](#)
- [Node.color](#)
- [Node.color_tag](#)
- [Node.select](#)
- [Node.show_options](#)
- [Node.show_preview](#)
- [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_width_max](#)
- [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](#)
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- [bpy_struct.keys](#)
- [bpy_struct.path_from_id](#)
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- [Node.init](#)
- [Node.copy](#)
- [Node.free](#)
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- [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](#)
- GeometryNode.poll
- [GeometryNode.bl_rna_get_subclass](#)

- `Node.poll`
- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeDeleteGeometry(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeDeleteGeometry(GeometryNode)**

Remove selected elements of a geometry

domain

Which domain to delete in

TYPE:

enum in Attribute Domain Without Corner Items, default 'POINT'

mode

Which parts of the mesh component to delete

TYPE:

enum in ['ALL', 'EDGE_FACE', 'ONLY_FACE'], default 'ALL'

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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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`
- `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`

- `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.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`
- `GeometryNode.poll`
- `GeometryNode.bl_rna_get_subclass`
- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeDistributePointsInGrid(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeDistributePointsInGrid(GeometryNode)**

> Generate points inside a volume grid
>
> > **mode**
> >
> > > Method to use for scattering points
> > >
> > > - `DENSITY_RANDOM` Random – Distribute points randomly inside of the volume.
> > > - `DENSITY_GRID` Grid – Distribute the points in a grid pattern inside of the volume.
> > >
> > > **TYPE:**
> > > > enum in ['DENSITY_RANDOM', 'DENSITY_GRID'], default 'DENSITY_RANDOM'
> >
> > **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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- 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

- 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.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeDistributePointsInVolume(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeDistributePointsInVolume(GeometryNode)**

Generate points inside a volume

mode

Method to use for scattering points

- `DENSITY_RANDOM` Random – Distribute points randomly inside of the volume.
- `DENSITY_GRID` Grid – Distribute the points in a grid pattern inside of the volume.

TYPE:

enum in ['DENSITY_RANDOM', 'DENSITY_GRID'], default 'DENSITY_RANDOM'

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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag

- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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

- 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

- 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.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeDistributePointsOnFaces(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeDistributePointsOnFaces(GeometryNode)**

Generate points spread out on the surface of a mesh

distribute_method

Method to use for scattering points

- `RANDOM` Random – Distribute points randomly on the surface.
- `POISSON` Poisson Disk – Distribute the points randomly on the surface while taking a minimum distance between points into account.

TYPE:

enum in ['RANDOM', 'POISSON'], default 'RANDOM'

use_legacy_normal

Output the normal and rotation values that have been output before the node started taking smooth normals into account

TYPE:

boolean, default False

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.

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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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`
- `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`

- 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
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeDualMesh(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeDualMesh(GeometryNode)**

Convert Faces into vertices and vertices into faces

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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`

- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeDuplicateElements(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeDuplicateElements(GeometryNode)**

> Generate an arbitrary number copies of each selected input element
>
> > **domain**
> >
> > > Which domain to duplicate
> > >
> > > **TYPE:**
> > > > enum in ['POINT', 'EDGE', 'FACE', 'SPLINE', 'LAYER', 'INSTANCE'], default 'POINT'
> >
> > **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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- 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

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

- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeEdgePathsToCurves(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeEdgePathsToCurves(GeometryNode)**

Output curves following paths across mesh edges

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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`

- `GeometryNode.bl_rna_get_subclass_py`

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GeometryNodeEdgePathsToSelection(GeometryNod

GeometryNodeEdgePathsToSelection(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeEdgePathsToSelection(GeometryNode)**

> Output a selection of edges by following paths across mesh edges
>
> > **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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`
- `GeometryNode.bl_rna_get_subclass_py`

Report issue on this page

GeometryNodeEdgesOfCorner(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeEdgesOfCorner(GeometryNode)**

Retrieve the edges on both sides of a face corner

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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`

- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeEdgesOfVertex(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeEdgesOfVertex(GeometryNode)**

Retrieve the edges connected to each vertex

> **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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`
- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeEdgesToFaceGroups(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeEdgesToFaceGroups(GeometryNode)**

> Group faces into regions surrounded by the selected boundary edges

> **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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`

- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeExtrudeMesh(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeExtrudeMesh(GeometryNode)**

Generate new vertices, edges, or faces from selected elements and move them based on an offset while keeping them connected by their boundary

mode

> **TYPE:**
>> enum in ['VERTICES', 'EDGES', 'FACES'], default 'FACES'

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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- 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`
- `GeometryNode.poll`
- `GeometryNode.bl_rna_get_subclass`
- `GeometryNode.bl_rna_get_subclass_py`

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GeometryNodeFaceOfCorner(GeometryNode

GeometryNodeFaceOfCorner(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeFaceOfCorner(GeometryNode)**

> Retrieve the face each face corner is part of
>
> > **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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`
- `GeometryNode.bl_rna_get_subclass_py`

Report issue on this page

GeometryNodeFieldAtIndex(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeFieldAtIndex(GeometryNode)**

Retrieve data of other elements in the context's geometry

data_type

TYPE:

enum in Attribute Type Items, default 'FLOAT'

domain

Domain the field is evaluated in

TYPE:

enum in Attribute Domain Items, default 'POINT'

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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`

- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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`

- `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`

- `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_instance`
- `NodeInternal.update`
- `NodeInternal.draw_buttons`
- `NodeInternal.draw_buttons_ext`
- `NodeInternal.bl_rna_get_subclass`
- `NodeInternal.bl_rna_get_subclass_py`
- `GeometryNode.poll`
- `GeometryNode.bl_rna_get_subclass`
- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeFieldOnDomain(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeFieldOnDomain(GeometryNode)**

Retrieve values from a field on a different domain besides the domain from the context

data_type

TYPE:

enum in Attribute Type Items, default 'FLOAT'

domain

Domain the field is evaluated in

TYPE:

enum in Attribute Domain Items, default 'POINT'

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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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`
- `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`

- `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_instance`
- `NodeInternal.update`
- `NodeInternal.draw_buttons`
- `NodeInternal.draw_buttons_ext`
- `NodeInternal.bl_rna_get_subclass`
- `NodeInternal.bl_rna_get_subclass_py`
- `GeometryNode.poll`
- `GeometryNode.bl_rna_get_subclass`
- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeFillCurve(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeFillCurve(GeometryNode)**

> Generate a mesh on the XY plane with faces on the inside of input curves
>
> > **mode**
> >
> > > **TYPE:**
> > > > enum in ['TRIANGLES', 'NGONS'], default 'TRIANGLES'
> >
> > **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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- 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`
- `GeometryNode.poll`
- `GeometryNode.bl_rna_get_subclass`
- `GeometryNode.bl_rna_get_subclass_py`

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GeometryNodeFilletCurve(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeFilletCurve(GeometryNode)**

Round corners by generating circular arcs on each control point

mode

How to choose number of vertices on fillet

- `BEZIER` Bézier – Align Bézier handles to create circular arcs at each control point.
- `POLY` Poly – Add control points along a circular arc (handle type is vector if Bézier Spline).

TYPE:

enum in ['BEZIER', 'POLY'], default 'BEZIER'

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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- 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

- 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.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeFlipFaces(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeFlipFaces(GeometryNode)**

> Reverse the order of the vertices and edges of selected faces, flipping their normal direction
>
> > **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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`

- `GeometryNode.bl_rna_get_subclass_py`

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GeometryNodeFilletCurve(GeometryNode)

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N
GeometryNodeForeachGeometryElementInput(GeometryNode

- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeForeachGeometryElementInput(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeForeachGeometryElementInput(GeometryNode)**

> **paired_output**
>
> > Zone output node that this input node is paired with
> >
> > **TYPE:**
> > > `Node`, (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`
>
> **pair_with_output(output_node)**
>
> > Pair a zone input node with an output node.
> >
> > **PARAMETERS:**
> > > **output_node** (`GeometryNode`) – Output Node, Zone output node to pair with
> >
> > **RETURNS:**
> > > Result, True if pairing the node was successful
> >
> > **RETURN TYPE:**
> > > boolean
>
> **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.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `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_width_max`
- `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`
- `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`

- 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.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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

GeometryNodeForeachGeometryElementOutput(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeForeachGeometryElementOutput(GeometryNode)**

> **active_generation_index**
>
> > Index of the active item
> >
> > **TYPE:**
> > > int in [0, inf], default 0
>
> **active_input_index**
>
> > Index of the active item
> >
> > **TYPE:**
> > > int in [0, inf], default 0
>
> **active_main_index**
>
> > Index of the active item
> >
> > **TYPE:**
> > > int in [0, inf], default 0
>
> **domain**
>
> > Geometry domain that is iterated over
> >
> > **TYPE:**
> > > enum in Attribute Domain Items, default 'POINT'
>
> **generation_items**
>
> > **TYPE:**
> > > `NodeGeometryForeachGeometryElementGenerationItems` `bpy_prop_collection` of `ForeachGeometryElementGenerationItem`, (readonly)
>
> **input_items**
>
> > **TYPE:**
> > > `NodeGeometryForeachGeometryElementInputItems` `bpy_prop_collection` of `ForeachGeometryElementInputItem`, (readonly)
>
> **inspection_index**
>
> > Iteration index that is used by inspection features like the viewer node or socket inspection
> >
> > **TYPE:**
> > > int in [-inf, inf], default 0
>
> **main_items**
>
> > **TYPE:**
> > > `NodeGeometryForeachGeometryElementMainItems` `bpy_prop_collection` of `ForeachGeometryElementMainItem`, (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.width`
- `Node.height`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`

- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- 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_width_max
- 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
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py

Previous
GeometryNodeForeachGeometryElementInput(GeometryNode)

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GeometryNodeGeometryToInstance(GeometryNo

GeometryNodeGeometryToInstance(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeGeometryToInstance(GeometryNode)**

> Convert each input geometry into an instance, which can be much faster than the Join Geometry node when the inputs are large
>
> **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

type

Inherited Properties

- bpy_struct.id_data
- Node.type
- Node.location
- Node.location_absolute
- Node.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- bpy_struct.values
- Node.socket_value_update
- Node.is_registered_node_type
- 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
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass

- `Node.poll`
- `GeometryNode.bl_rna_get_subclass_py`

GeometryNodeGetNamedGrid(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeGetNamedGrid(GeometryNode)**

> Get volume grid from a volume geometry with the specified name
>
> > **data_type**
> >
> > > Type of grid data
> > >
> > > **TYPE:**
> > > > enum in Node Socket Data Type Items, default 'FLOAT'
> >
> > **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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag

- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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

- 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

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

- `NodeInternal.draw_buttons_ext`
- `NodeInternal.bl_rna_get_subclass`
- `NodeInternal.bl_rna_get_subclass_py`
- `GeometryNode.poll`
- `GeometryNode.bl_rna_get_subclass`
- `GeometryNode.bl_rna_get_subclass_py`

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GeometryNodeGizmoDial(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeGizmoDial(GeometryNode)**

> Show a dial gizmo in the viewport for a value

> > **color_id**
> >
> > > **TYPE:**
> > > > enum in Geometry Nodes Gizmo Color Items, default 'PRIMARY'
> >
> > **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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- 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`
- `GeometryNode.poll`
- `GeometryNode.bl_rna_get_subclass`
- `GeometryNode.bl_rna_get_subclass_py`

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GeometryNodeGizmoLinear(GeometryNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `GeometryNode`

class bpy.types.**GeometryNodeGizmoLinear(GeometryNode)**

Show a linear gizmo in the viewport for a value

color_id

TYPE:

enum in Geometry Nodes Gizmo Color Items, default 'PRIMARY'

draw_style

TYPE:

enum in Geometry Nodes Linear Gizmo Draw Style Items, default 'ARROW'

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.width
- Node.height
- Node.dimensions
- Node.name
- Node.label
- Node.inputs
- Node.outputs
- Node.internal_links
- Node.parent
- Node.warning_propagation
- Node.use_custom_color
- Node.color
- Node.color_tag
- Node.select
- Node.show_options
- Node.show_preview
- 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_width_max
- 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
- 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

- 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.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- GeometryNode.poll
- GeometryNode.bl_rna_get_subclass
- GeometryNode.bl_rna_get_subclass_py