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GeometryNodeSubdivisionSurface(GeometryNode)

```
base\ classes -- \ \texttt{bpy\_struct}, \ \texttt{Node}, \ \texttt{NodeInternal}, \ \texttt{GeometryNode}
```

class bpy.types.GeometryNodeSubdivisionSurface(GeometryNode)

Divide mesh faces to form a smooth surface, using the Catmull-Clark subdivision method

boundary smooth

Controls how open boundaries are smoothed

TYPE:

enum in Subdivision Boundary Smooth Items, default 'ALL'

uv_smooth

Controls how smoothing is applied to UVs

TYPE:

enum in Subdivision Uv Smooth Items, default 'PRESERVE_BOUNDARIES'

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (int in [0, inf]) – Index

RETURNS:

result

RETURN TYPE:

 ${\tt NodeInternalSocketTemplate}$

classmethod output_template(index)

Output socket template

PARAMETERS:

index (int in [0, inf]) – Index

RETURNS:

result

RETURN TYPE:

NodeInternalSocketTemplate

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id(str) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

```
RETURN TYPE:
```

bpy.types.Struct subclass

classmethod bl rna get subclass py(id, default=None)

PARAMETERS:

id (str) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

• bpy struct.id data

• Node.type

• Node.location

• Node.location absolute • Node.hide

• Node.width

• Node.height

• Node.dimensions

• Node.name

• Node.label

• Node.inputs

• Node.outputs

• Node.internal links

• Node.parent

• Node.color

Node.color_tag

Node.select

• Node.show options

Node.show preview

• Node.mute

• Node.show texture

• Node.bl idname

• Node.bl label

• Node.bl description

• Node.bl icon

• Node.bl static type

• Node.bl width default

• Node.bl_width_min

• Node.warning_propagation • Node.bl_width_max

• Node.use_custom_color • Node.bl_height_default

• Node.bl height min

Node.bl_height_max

Inherited Functions

- bpy struct.as pointer
- bpy struct.driver add
- bpy struct.driver remove
- bpy_struct.get
- bpy struct.id properties clear
- bpy struct.id properties ensure
- bpy_struct.id_properties_ui
- bpy struct.is property hidden
- bpy_struct.is_property_overridable_library
- bpy struct.is property readonly
- bpy struct.is property set
- bpy_struct.items
- bpy struct.keyframe delete
- bpy struct.keyframe insert

- 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

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