

# FunctionNode(NodeInternal)

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

subclasses — `FunctionNodeAlignEulerToVector`, `FunctionNodeAlignRotationToVector`, `FunctionNodeAxesToRotation`, `FunctionNodeAxisAngleToRotation`, `FunctionNodeBooleanMath`, `FunctionNodeCombineColor`, `FunctionNodeCombineMatrix`, `FunctionNodeCombineTransform`, `FunctionNodeCompare`, `FunctionNodeEulerToRotation`, `FunctionNodeFindInString`, `FunctionNodeFloatToInt`, `FunctionNodeHashValue`, `FunctionNodeInputBool`, `FunctionNodeInputColor`, `FunctionNodeInputInt`, `FunctionNodeInputRotation`, `FunctionNodeInputSpecialCharacters`, `FunctionNodeInputString`, `FunctionNodeInputVector`, `FunctionNodeIntegerMath`, `FunctionNodeInvertMatrix`, `FunctionNodeInvertRotation`, `FunctionNodeMatrixDeterminant`, `FunctionNodeMatrixMultiply`, `FunctionNodeProjectPoint`, `FunctionNodeQuaternionToRotation`, `FunctionNodeRandomValue`, `FunctionNodeReplaceString`, `FunctionNodeRotateEuler`, `FunctionNodeRotateRotation`, `FunctionNodeRotateVector`, `FunctionNodeRotationToAxisAngle`, `FunctionNodeRotationToEuler`, `FunctionNodeRotationToQuaternion`, `FunctionNodeSeparateColor`, `FunctionNodeSeparateMatrix`, `FunctionNodeSeparateTransform`, `FunctionNodeSliceString`, `FunctionNodeStringLength`, `FunctionNodeTransformDirection`, `FunctionNodeTransformPoint`, `FunctionNodeTransposeMatrix`, `FunctionNodeValueToString`

**class** `bpy.types.FunctionNode(NodeInternal)`

**classmethod** `bl_ma_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_ma_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.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.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `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`