

12.1.9 Editors - Geometry Nodes Editor - Header - Add Menu - Input - Scene

Table of content

Detailed table of content.....	1
Add menu - Input - Scene.....	2
Cursor.....	3
Active Camera.....	3
Collection Info.....	3
Image Info.....	4
Is Viewport.....	5
Named Layer Selection.....	6
Mouse Position.....	6
Object Info.....	7
Scene time.....	7
Self Object.....	8
Viewport Transform.....	8

Detailed table of content

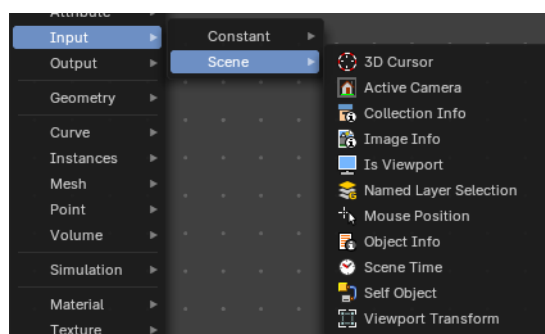
Detailed table of content

Detailed table of content.....	1
Add menu - Input - Scene.....	2
Cursor.....	3
Outputs.....	3
Location.....	3
Rotation.....	3
Active Camera.....	3
Outputs.....	3
Active Camera.....	3
Collection Info.....	3
Inputs.....	4
Collection.....	4
Properties.....	4
Transform Space.....	4
Original.....	4
Relative.....	4
Outputs.....	4
Geometry.....	4
Image Info.....	4
Input.....	4
Image.....	4
New.....	4
Open.....	4
Image prop.....	4
Image browser.....	4
Image name.....	5
Fake user.....	5

New.....	5
Open Image.....	5
Remove.....	5
Frame.....	5
Outputs.....	5
Width.....	5
Height.....	5
Has Alpha.....	5
Frame Count.....	5
FPS.....	5
Is Viewport.....	5
Outputs.....	6
Is Viewport.....	6
Named Layer Selection.....	6
Inputs.....	6
Name.....	6
Outputs.....	6
Selection.....	6
Mouse Position.....	6
Outputs.....	6
Mouse X.....	6
Mouse Y.....	6
Region Width.....	6
Region Height.....	6
Object Info.....	7
Inputs.....	7
Object.....	7
Outputs.....	7
Transform.....	7
Location.....	7
Rotation.....	7
Scale.....	7
Geometry.....	7
Scene time.....	7
Outputs.....	7
Seconds.....	7
Frame.....	7
Self Object.....	8
Viewport Transform.....	8
Outputs.....	8
Projection.....	8
View.....	8
Is Orthographic.....	8

Add menu - Input - Scene

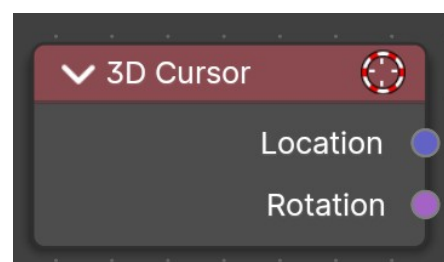
Here you find input nodes.



Cursor

The Cursor Geometry node gets the 3D Cursor location and rotation, for tool execution. Useful for creating tools with the 3D Cursor input from user.

Note that this node just shows with geometry nodes type Tool.



Outputs

Location

The location of the scene's 3D cursor, in the local space of the modified object.

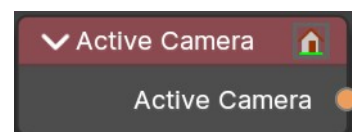
Rotation

The rotation of the scene's 3D cursor, in the local space of the modified object.

Active Camera

The node outputs the the scene's current active camera.

Typical usage would be to connect this node to an Object Info node to obtain its transform.



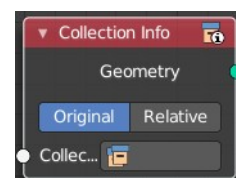
Outputs

Active Camera

The active camera.

Collection Info

The Collection Info node retrieves information from collections. This can be useful to use



an external collection to control parameters in the geometry node tree.

Inputs

Collection

Collection to get the properties from.

Properties

Transform Space

The transformation of the geometry outputs.

Original

Output the geometry relative to the collection offset.

Relative

Bring the input collection geometry into the modified object, maintaining the relative position between the objects in the scene.

Outputs

Geometry

Geometry of the collection in world space with all its modifiers applied.

Image Info

Retrieve infos from an image.

Input

Image

Load or connect a image.

New

Create a new image.

Opens a new image dialog where you can adjust the color, size and further settings.

Open

Open a existing image.

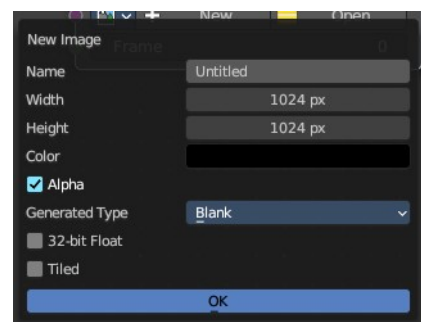
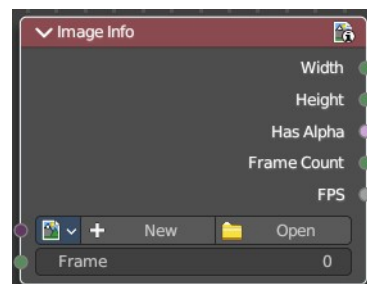


Image prop

Image browser

A list of available images

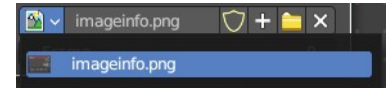


Image name

The name of the image

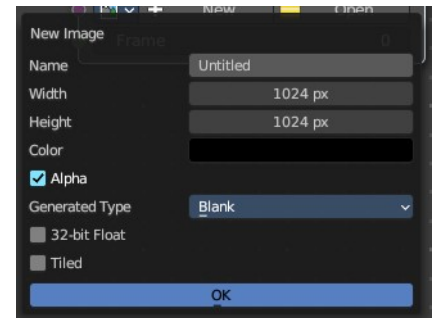
Fake user

Add a fake user to this asset.

New

Create a new image.

Opens a new image dialog where you can adjust the color, size and further settings.



Open Image

Open an existing image.

Remove

Removes the image as the active image.

Frame

For videos. Which frame to use.

Outputs

Width

The width of the image.

Height

The height of the image

Has Alpha

Returns true if the image has an alpha channel

Frame Count

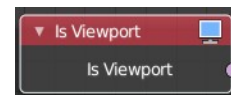
For movies. How many frames.

FPS

For movies, what FPS rate.

Is Viewport

The Is Viewport node outputs true when geometry nodes is evaluated for the viewport. For the final render the node outputs false.



Outputs

Is Viewport

A boolearan that indicates if the geometry nodes is evaluated for preview.

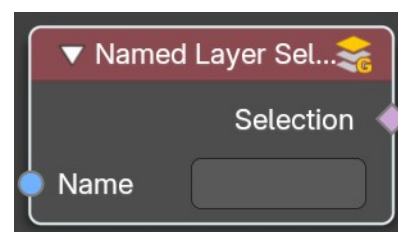
Named Layer Selection

Output a selection of a grease pencil layer by attribute name

Inputs

Name

The layer name attribute.



Outputs

Selection

The selected layer.

Mouse Position

Just in Tool mode !

Retreives the mouse position.

Outputs

Mouse X

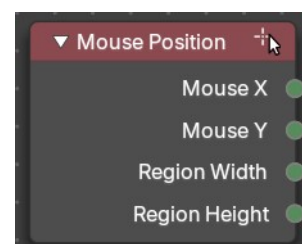
Mouse X position.

Mouse Y

Mouse Y position.

Region Width

The total X size of the region in pixels.



Region Height

The total Y size of the region in pixels.

Object Info

The Object Info node retrieves information from objects. And outputs it then.

Inputs

Object

Object to get the properties from.

Outputs

Transform

Transform matrix output.

Location

Location of the object in world space.

Rotation

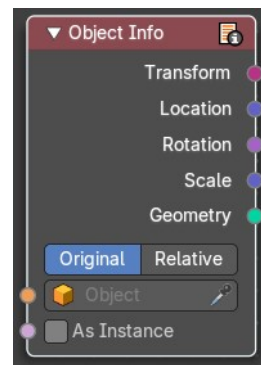
Rotation of the object in world space.

Scale

Scale of the object in world space.

Geometry

Geometry of the object in world space with all its modifiers applied.



Scene time

Outputs the current scene time in seconds or in frames.

The Frame output is a float value to make subframe rendering for motion blur possible.

Outputs

Seconds

Output in seconds.



Frame

Output in Frames.

Self Object

Retreives the parent object of the geometry nodegroup.



Viewport Transform

Just in Tool mode !

Gets and retrievees the view direction and location from the 3D Viewport.

Outputs

Projection

Outputs the 3D Viewport's perspective or orthographic projection matrix as a matrix transform value.

View

Outputs the view direction and location of the 3D Viewport as a matrix transform value.

Is Orthographic

Outputs a boolean to show if the camera is orthographic with a true or false value.

