

7.1.30 Editors - 3D View - Header - Grease Pencil - Edit mode - Grease Pencil menu

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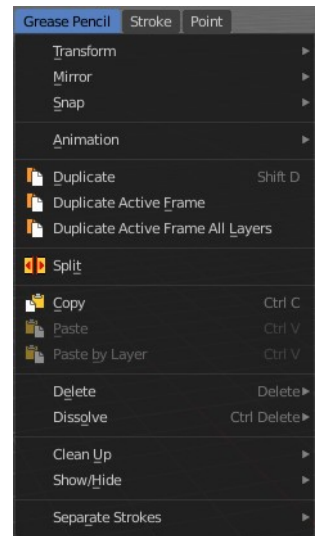
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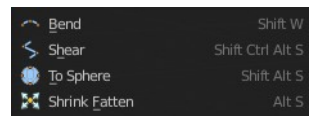
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Edit Mode - Grease Pencil Menu



Transform



Bend

Bends the selection.

Shear

Shear shears the selection.

Last Operator Shear

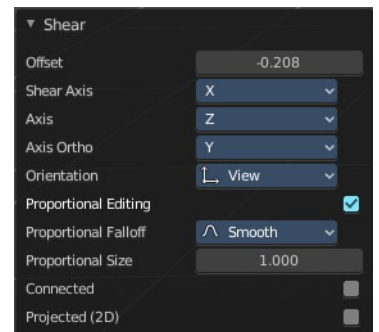
Offset

Here you can adjust an offset.

Shear Axis

The shear tool works along a imaginary 2d plane. The shear axis controls if the items are sheared along the x or the y axes of this plane. This is the plane along which the transformation happens. You can shear along the x or the y axis of this plane.

To make things even more complicated, the orientation of this imaginary plane is defined by the Axis and Axis Ortho items below.



Axis

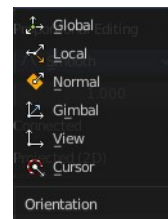
Defines one axis of the imaginary shear axis plane.

Axis Ortho

Defines the other axis of the imaginary shear axis plane.

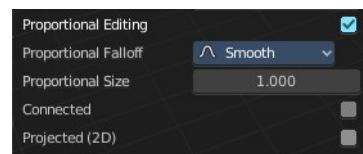
Orientation

Here you can choose the orientation for the shear action.



Proportional editing

Enables proportional editing. Activating proportional editing reveals further settings.



Proportional Falloff

Here you can adjust the falloff methods.

Proportional Size

Here you can see and adjust the falloff radius.

Connected

The proportional falloff gets calculated for connected parts only.

Projected(2D)

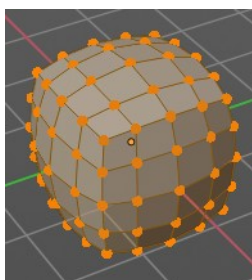
The proportional falloff gets calculated in the screen space. Depth doesn't play a role. When it's in the radius, then it gets calculated.

To Sphere

Shapes a selection of objects into the shape of a sphere. The calculation happens with the object origins.

Usage

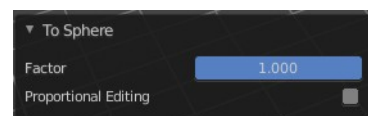
Select the vertices, activate the tool, then drag the mouse in the 3D viewport. In the header you will read the current factor then. Which tells you how close you are towards the sphere shape.



Last Operator To Sphere Panel

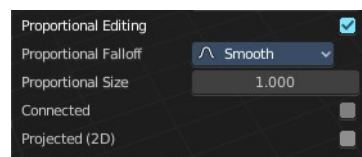
Factor

The factor to transform the selection into a shape form.



Proportional editing

Enables proportional editing. Activating proportional editing reveals further settings.



Proportional Falloff

Here you can adjust the falloff methods.

Proportional Size

Here you can see and adjust the falloff radius.

Connected

The proportional falloff gets calculated for connected parts only.

Projected(2D)

The proportional falloff gets calculated in the screen space. Depth doesn't play a role. When it's in the radius, then it gets calculated.

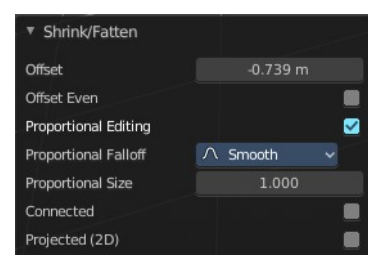
Shrink/Fatten

Shrink/Fatten scales the selected geometry along its normals. Transform orientation and Pivot point gets ignored.

A positive value pushes the vertices outwards. A negative value pushes the vertices inwards.

Last Operator Shrink/Fatten

The Last Operator Shrink/Fatten panel gives you tools to adjust the Shrink/Fatten operation. Here you have numeric input for the strength and a few more options.



Offset

Offset is the strength of the offset for Shrink/Fatten.

Offset Even

Offset Even scales the selection to give more thickness in even areas.

Proportional editing

Enables proportional editing. Activating proportional editing reveals further settings.

Proportional Falloff

Here you can adjust the falloff methods.

Proportional Size

Here you can see and adjust the falloff radius.

Connected

The proportional falloff gets calculated for connected parts only.

Projected(2D)

The proportional falloff gets calculated in the screen space. Depth doesn't play a role. When it's in the radius, then it gets calculated.

Mirror

Mirror mirrors the selected geometry along the defined axis.

Interactive Mirror

Mirror by hotkeys. You activate the tool, type in x for x global for example, or x x for x local. And the selection gets mirrored.

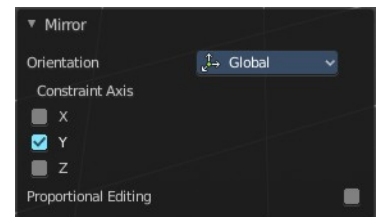


X Global, Y Global etc.

Mirrors the selection around the chosen axis.

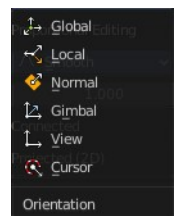
Last Operator Mirror

The Last Operator Mirror panel gives you tools to adjust the mirror action.



Orientation

Orientation is a drop-down box where you can choose the type of orientation for the mirroring action.

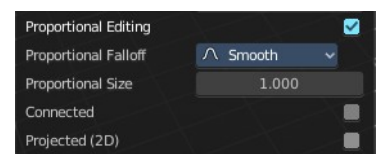


Constraint Axis

Constraint Axis gives you again the possibility to define the mirror axis. You can choose more than one axis here.

Proportional editing

Enables proportional editing. Activating proportional editing reveals further



settings.

Proportional Falloff

Here you can adjust the falloff methods.

Proportional Size

Here you can see and adjust the falloff radius.

Connected

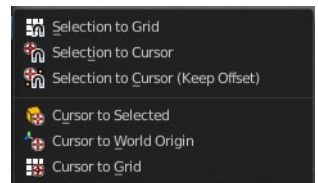
The proportional falloff gets calculated for connected parts only.

Projected(2D)

The proportional falloff gets calculated in the screen space. Depth doesn't play a role. When it's in the radius, then it gets calculated.

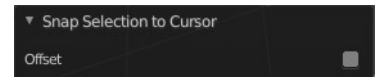
Snap

Here you can choose several methods to snap one element to another. The menu items should be self explaining.



Last Operator Snap

Some snap operations shows a last operation panel, some not.



Offset

If the selection should snap as a whole, or if each individual element of the selection should snap.

Animation

Insert Blank Keyframe (Active Layer)

Inserts a keyframe into the active layer.

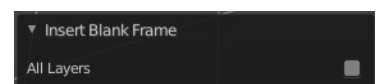


Insert Blank Keyframe (All Layers)

Inserts a keyframe into all layers.

Last Operator Insert Blank Frame

Some snap operations shows a last operation panel, some not.



All Layers

Insert into active layer or into all layers.

Duplicate Active Keyframe (Active Layer)

Duplicates the active keyframe in the active layer.

Duplicate Active Keyframe (All Layers)

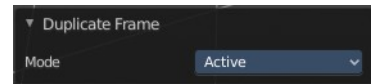
Duplicates the active keyframe in all layers.

Last Operator Insert Blank Frame

Some snap operations shows a last operation panel, some not.

Mode

Duplicate the active keyframe in the active layer or in all layers.



Delete Active Keyframe (Active Layer)

Deletes the active keyframe in the active layer.

Delete Active Keyframe (All Layers)

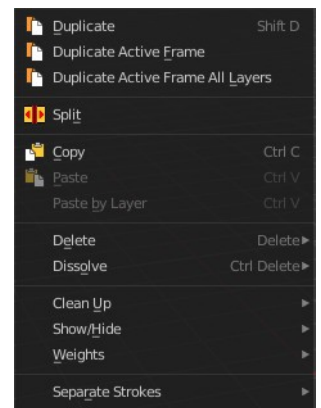
Deletes the active keyframe in all layers

Single Operators

Duplicate

Duplicates the current selection.

When you duplicate a selection, then it sticks to the mouse until you left click. And moves around. A right click repositions the duplicated geometry at its original location.



Last Operator Duplicate

Mode

Not to find out. No tooltip, no entry in the Blender manual. Good Job Blender Developers.

Move X, Y, Z

Here you can adjust the position.

Orientation

Orientation is a drop-down box where you can choose the type of orientation for the mirroring action.

Constraint Axis

Constraint Axis gives you again the possibility to define the mirror axis. You can choose more than one axis here.

Proportional editing

Enables proportional editing. Activating proportional editing reveals further settings.

Proportional Falloff

Here you can adjust the falloff methods.

Proportional Size

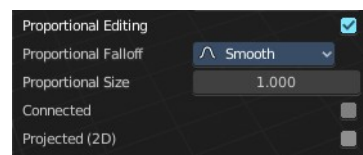
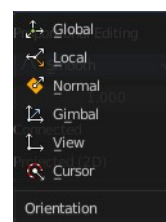
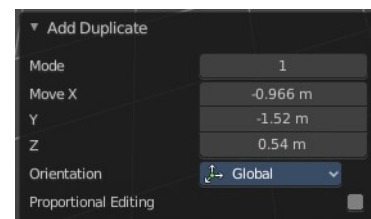
Here you can see and adjust the falloff radius.

Connected

The proportional falloff gets calculated for connected parts only.

Projected(2D)

The proportional falloff gets calculated in the screen space. Depth doesn't play a role. When it's in the radius, then it gets calculated.



Duplicate Active Frame

Duplicates the active frame in the active layer.

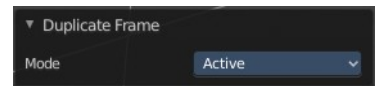
Duplicate Active Frame All Layers

Duplicates the active frame in all layers.

Last Operator Duplicate Frame

Mode

Choose between Duplicate Active Frame and Duplicate Active Frame All Layers.



Split

Splits the selection.

Copy

Copies the selection.

Paste

Pastes a copied selection to active layer. You can have more than one layer.

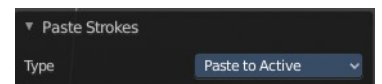
Paste by Layer

Pastes a copied selection to same, original layer. You can have more than one layer.

Last operator Paste Strokes

Type

Here you can choose between the paste methods again.



Delete

Points

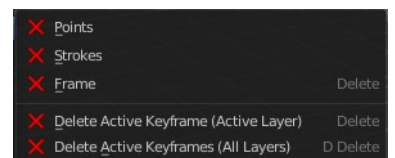
Delete selected stroke points.

Strokes

Delete the stroke where the current selection belongs to.

Frame

Delete the grease pencil frame where the current selection belongs to.



Last Operator Delete

Type

Here you can again choose what you want to delete.



Delete Active Keyframe(Active Layer)

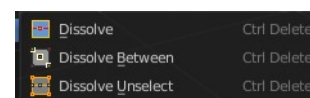
Deletes the active keyframe in the current active layer.

Delete Active Keyframe(All Layers)

Deletes the active keyframe in all layers.

Dissolve

Dissolve is a union operation. Two edges becomes one edge by removing the vertice in between.



Dissolve

Dissolves the selection.

Dissolve Between

Dissolves the vertices between the selected vertices.

Dissolve Unselect

Dissolves the vertices that are not selected.

Last Operator Dissolve

Type

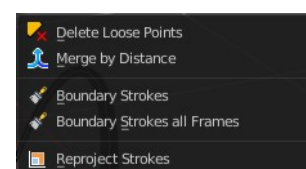
Here you can again choose how you want to dissolve.



Cleanup

Delete Loose Points

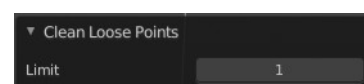
Deletes not connected stroke geometry that is made of loose points.



Last Operator Clean Loose Points

Limit

The number of vertices below which a stroke gets counted as a loose point.



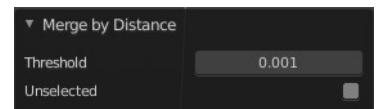
Merge by Distance

Merges vertices that are close to each other.

Last Operator Clean Loose Points

Threshold

The distance.



Unselected

Merge also unselected geometry.

Boundary Strokes

Removes boundary "No Fill" strokes in the current active frame.

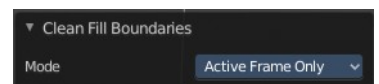
Boundary Strokes all Frames

Removes boundary "No Fill" strokes in the all frames.

Last Operator Clean Fill Boundaries

Mode

Current active frame or all frames.

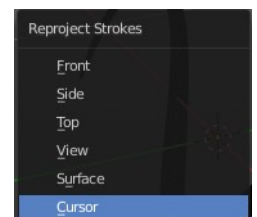


Reproject Strokes

Reproject the selected strokes onto a new plane from the current viewport. So that all strokes are on one plane.

Reproject Strokes menu

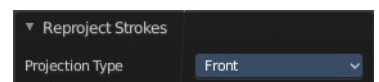
Using this tool opens a popup menu where you can choose the projection type method.



Last Operator Reproject Strokes

Projection Type

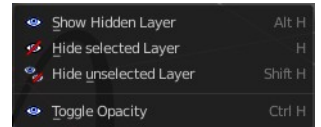
A popup menu where you can choose the projection type method.



Show / Hide

Show Hidden Layer

Makes all layers in the scene visible again.



Hide Selected Layer

Hides the selected layer.

Last Operator Hide Layers

Unselected

Hides the not selected layers.



Hide Unselected

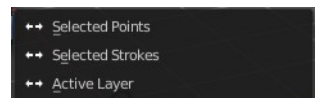
Hides the not selected layers. The selected layers stays visible.

Toggle Opacity

Toggles the opacity of the stroke. With opaque stroke the vertices are hidden behind the stroke, and can't be seen.

Separate Strokes

Separates the selection into a new grease pencil object.



Selected Points

Separate the selected points with its edges.

Selected Strokes

Separate the whole stroke of the current selection.

Active Layer

Separate all the strokes at the current active layer.