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Curve Pen

Reference

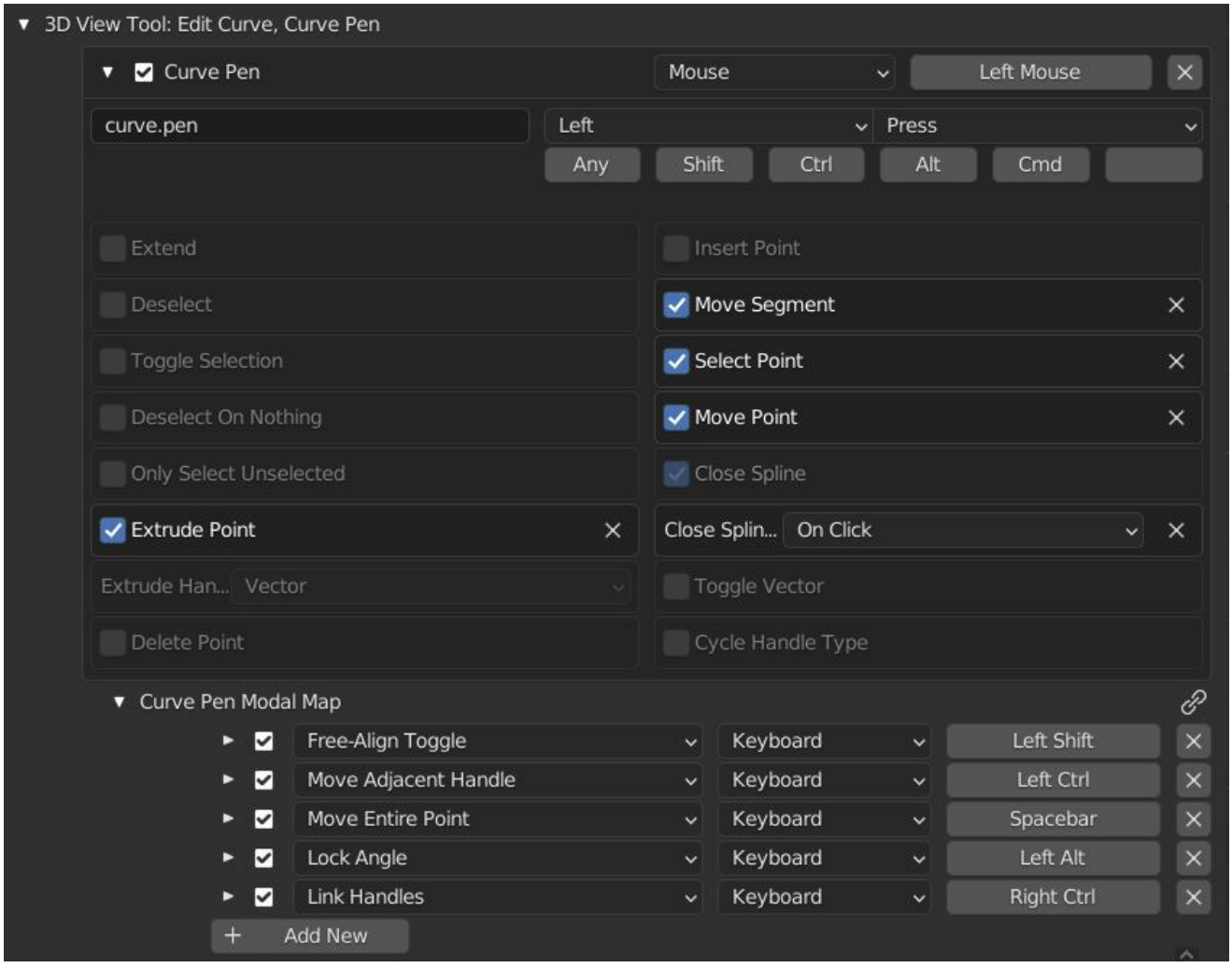
Mode:
Edit Mode

Tool:
Toolbar ▸ Curve Pen

The Curve Pen tool allows you to construct and edit curves rapidly.

Usage

The



Curve Pen Preferences

following preferences can be configured from: Preferences ▸ Keymap ▸ 3D View ▸ Curve ▸ 3D View Tool: Edit Curve, Curve Pen.

Extrude Point

`LMB` click to add a new point connected to an existing point.

Extrude Handle Type

The handle type of the extruded points. Can be either *Vector* or *Auto*. However, the handle type switches to *Align* when handles are moved (See *Move Point*).

Delete Point

`Ctrl - LMB` click on an existing point to delete it.

Insert Point

Insert Point

`Ctrl - LMB` click on a Curve Segment to insert a new control point between the two adjacent control points. `Ctrl - LMB` click and dra to control the handles of the inserted points.

Move Segment

`LMB` drag on a segment in between two control points to adjust the handles, changing the shape of the curve without affecting the location of an control points.

Select Point

`LMB` click to select a single point or handle at a time.

Move point

`LMB` drag to move existing points or handles. With an endpoint of a spline selected, click and drag on empty space to *Extrude Point* and move the handle at the same time.

Close Spline

Make the spline Cyclic by clicking the endpoints consecutively.

Close Spline Method

The condition for *Close Spline* to activate.

None:
Turn off the Close Spline functionality.

On Press:
Close the spline on mouse down. With this option, you may click and drag to adjust the handles of the endpoint.

On Click:
Activate on mouse release. With this option, the *Close Spline* functionality will not be triggered on click and drag.

Toggle Vector

Double `LMB` click on a handle to switch handle between *Vector* and *Auto* handle types. Can be used to easily switch between sharp corners a smooth curves.

Cycle Handle Type

Double `LMB` click on the control point to cycle through all handle types.

Hotkeys

Free-Align Toggle

Hold `LeftShift` while dragging a handle to switch between `Free` and `Align` handle types. Can be used to create sharp corners along the curve.

Move Adjacent Handle

Hold `LeftCtrl` while dragging a handle to move the closer handle of the adjacent control point. Can be helpful to make adjustments to newl created curve segments.

Move Entire

Hold `Spacebar` while dragging a handle to move the entire point.

Link Handles

Press `RightCtrl` while dragging a handle to mirror its movement on the opposite handle of the same point.

Lock Handle Angle

Hold `LeftAlt` while dragging a handle to limit the movement of the handle to its current direction, so only its length can be adjusted.

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