

The standard affect region function, based on a distance and the three affect region parameters (same as the editable mesh).

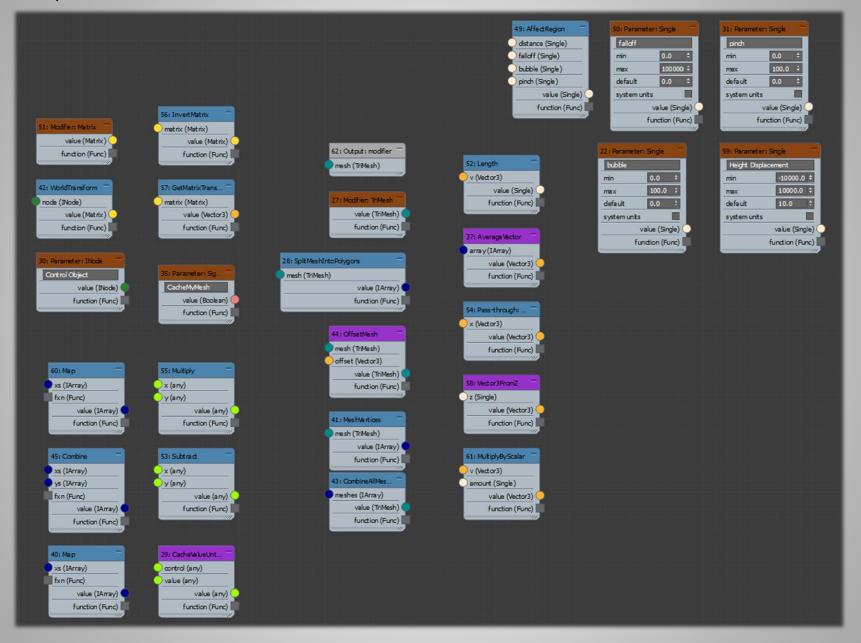
This function is a cubic curve which returns 1 at distance 0, 0 if distance is greater than falloff, and other values for distance between 0 and falloff.

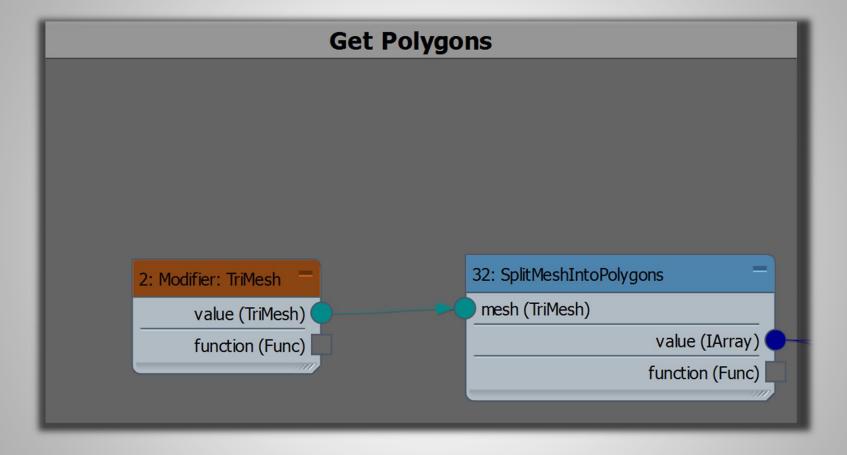
This is the function used inside the Affect_Region modifier. For the different editables, one of the data channels is the selection weight.

If you wanted to, you could use this function to calculate the vertex selection weights on you own.

There is also an affect region modifier than can work with the current sub-object selection.

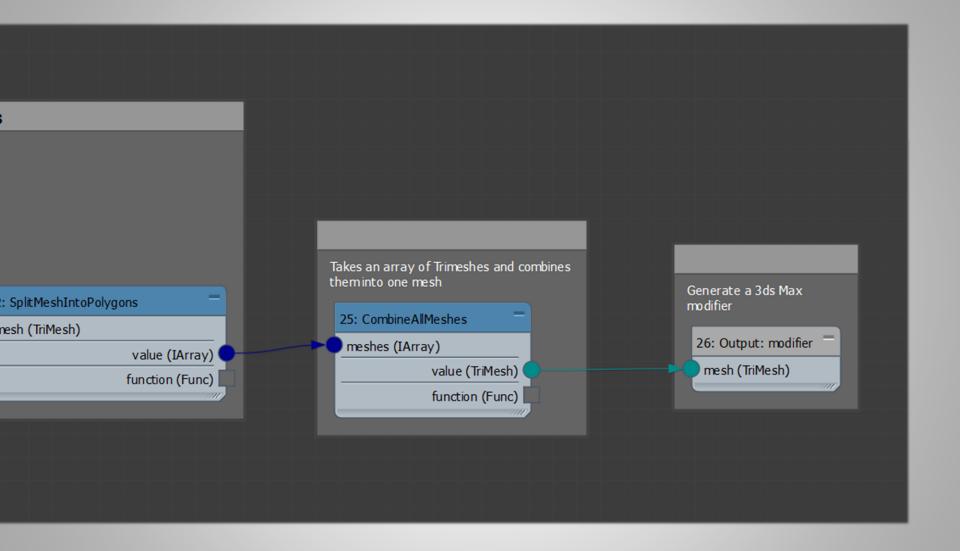
Volume select can be used with the modifier, but volume select can only displace the connected mesh and not individual faces or polygons

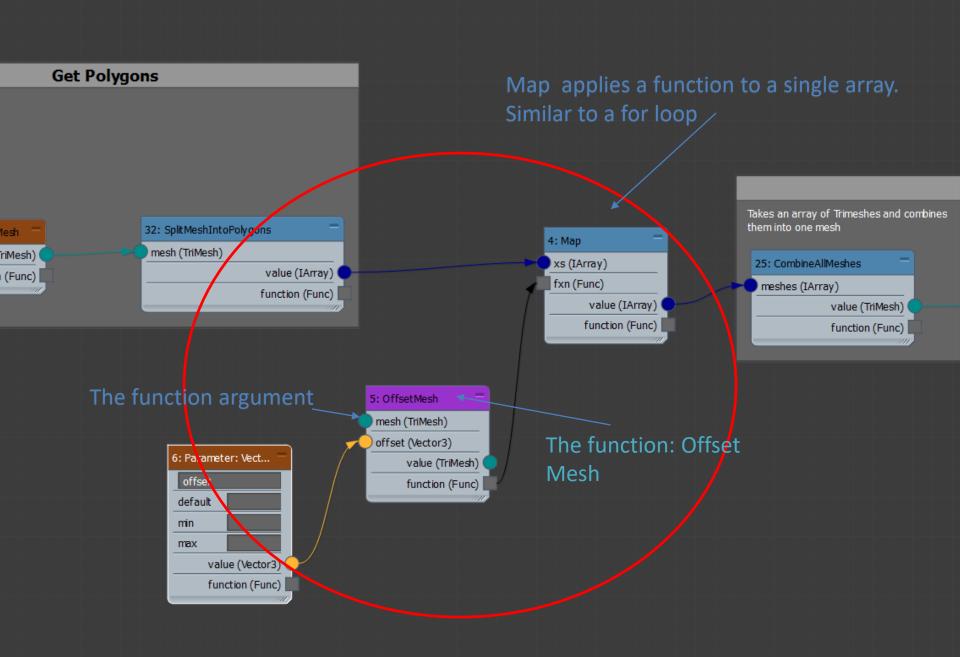


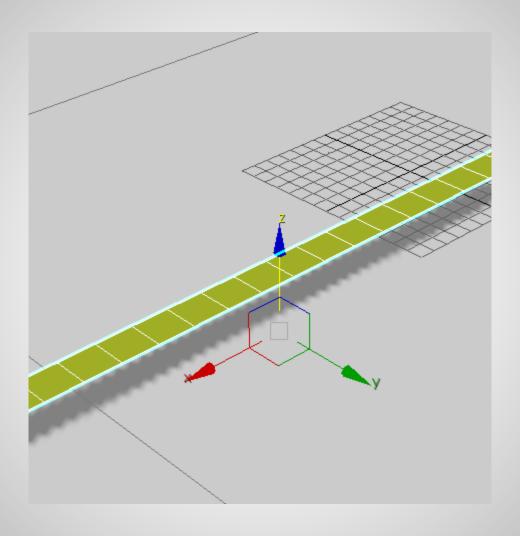


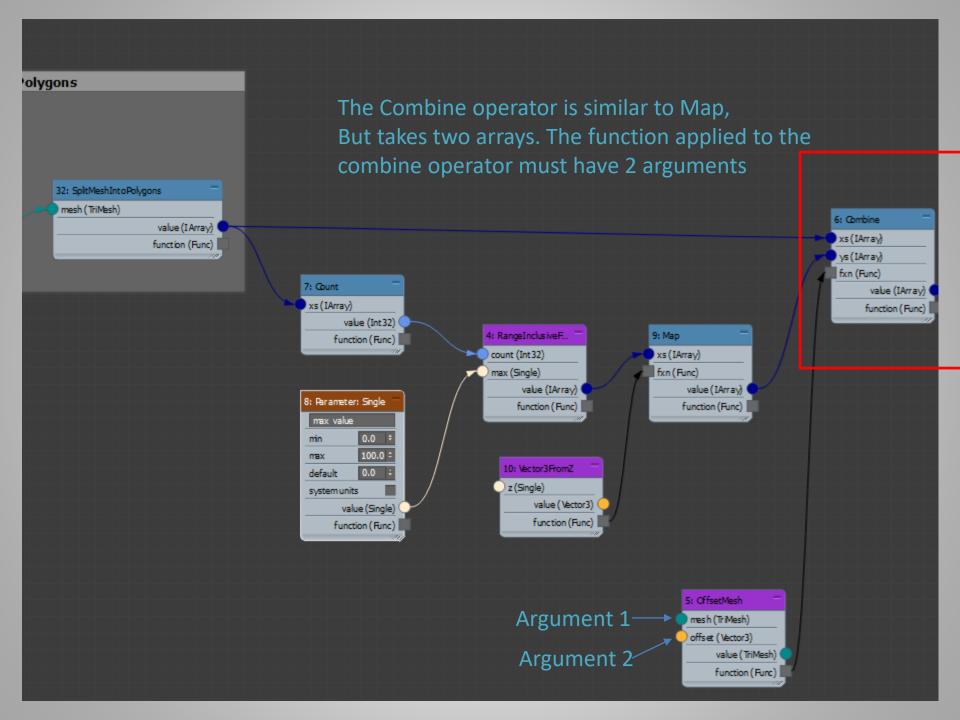
Modifier: Trimesh – Returns the mesh below the mcg modifier

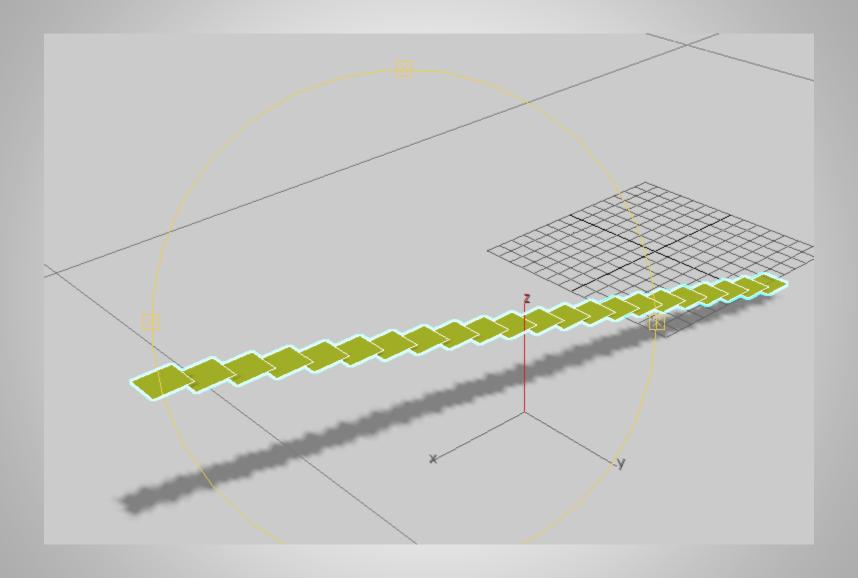
Split mesh into polygons: return the mesh's polygons as an array of trimeshes

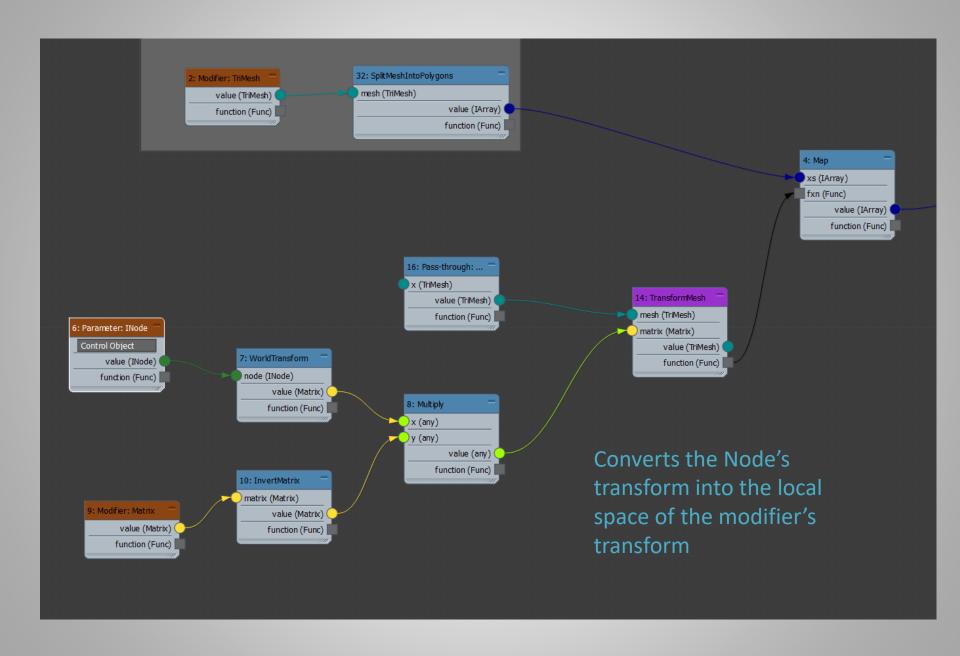












Transforming the control object node to the modifier's local space allows the control object to affect the mesh, as well as allowing that moving the modifier mesh will react to the position(transform) of the control object

Try playing with the node connection, and see the changes in behavior

Tip: Holding down the alt key while moving an operator will remove it from a connection, control will inject an operator into a connection

