

## Feature Line Pull

**Title** Feature Line Pull

### Description

This scripting tool will take an input feature line, and remove a target amount of length from the ends of the lines (pulling them back). Each line feature will be split into the number of segments specified. This version of the script will carry over any of the fields of the original feature class using cursors, it will only return pulled back geometries in the new feature class.

### Usage

The goal of this script was to split target line features into (such as routes or paths) for all the line features in a feature layer, into segments that are pulled back a target amount. The intended uses for this are:

- Aid in the creation of study segments to summarize data on for networks.
- Allow proximity analysis for point features that do not include intersections.
- Provide a tool for batch editing and segmentation of polylines.

### Syntax

FeatureLineSplit2 (Input\_Feature\_Line, Pull\_Amount, {Pull\_Field}, Start\_Point\_Pull, End\_Point\_Pull, Output\_Feature\_Line)

Parameter	Explanation	Data Type
Input_Feature_Line	<p>Dialog Reference</p> <p>This is the input feature class whose individual geometry features will be pulled back and put into a new feature class. The input can only be a polyline for this tool, because it uses Polyline specific methods.</p> <p>Python Reference</p> <p>This tool depends on the segmentAlongLine method in ArcGIS 10.3.</p>	Feature Layer
Pull_Amount	<p>Dialog Reference</p> <p>The distance in units of the current projection, that you wish your line features to be pulled back.</p> <p>There is no python reference for this parameter.</p>	Long
Pull_Field (Optional)	<p>Dialog Reference</p> <p>A Field using a distance in units of the current projection, that specifies the amount you wish your line features to be pulled back.</p> <p>There is no python reference for this parameter.</p>	Field

Start_Point_Pull	<p>Dialog Reference</p> <p>Determines whether the line has a distance starting at the line start point is pulled back.</p> <p>There is no python reference for this parameter.</p>	Boolean
End_Point_Pull	<p>Dialog Reference</p> <p>Determines whether the line has a distance ending at the line end point is pulled back.</p> <p>There is no python reference for this parameter.</p>	Boolean
Output_Feature_Line	<p>Dialog Reference</p> <p>This is the output polyline feature class that will be created by this tool. It should have the fields of the original feature class derived by an insert cursor.</p> <hr/> <p>Python Reference</p> <p>Uses insert cursors to get the desired "copy" of the segmented feature class.</p>	Feature Class

## Code Samples

There are no code samples for this tool.

## Tags

Pull, Trim, Line, Split, Editing, Batch, Animations, Preserve Fields

## Credits

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## Use limitations

There are no access and use limitations for this item.

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