# PairWiseIntersect.py Tool Notes

## General

If running from within the ArcMap application, please run the script tool in the background for medium to large datasets. There is a bug with the SelectLayerByLocation tool (which the script uses) that causes a refresh in ArcMap too often which slow down processing of larger datasets.

## Input Featureclasses

The inputs can be point, polyline or polygon.

Inputs can be Layers or Featureclasses or a mix of both.

Supports all valid vector featureclass types (FGDB, PGDB, shapefile, Database…)

Selection sets on the input layers is supported.

## Attribute column names

Duplicate names will have “\_1” appended to their name.

The Intersecting Features attributes will be appended to the end of the Output Featureclass attribute table after the Input Features attributes.

The first Shape\_Area and/or Shape\_Length attribute columns contain the Area and length of the newly created feature from the Intersect operation.

## Output Featureclass

The Output Featureclass inherits its Spatial Reference from the Input Featureclass.

The output feature type will be the lowest order geometry type of the inputs.

Example:

Input Features = Point

Intersecting Features = Polygon

Output Featureclass = Point