

# Spatial Angle Join

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Spatially joins two line features within a radius and selects the feature with the most similar polar angle.

## Requirements

ArcGIS License: Basic

## Usage

**Add it to your workflow**

```
import saj

target = "target_features"
join = "join_features"
outupt = "output_features"
search radius = 75 # feet

saj.spatial_angle_join(target, join, output, search_radius)
```

**Or set-up the parameters and use it as a stand alone script tool**

saj Properties ✕

General Source **Parameters** Validation Help

Display Name	Data Type
target	Feature Class
join	Feature Class
output	Feature Class
search radius	Long

↑  
↓

Click any parameter above to see its properties below.

Parameter Properties

Property	Value
Type	
Direction	
MultiValue	
Default	
Environment	
Filter	
Obtained from	

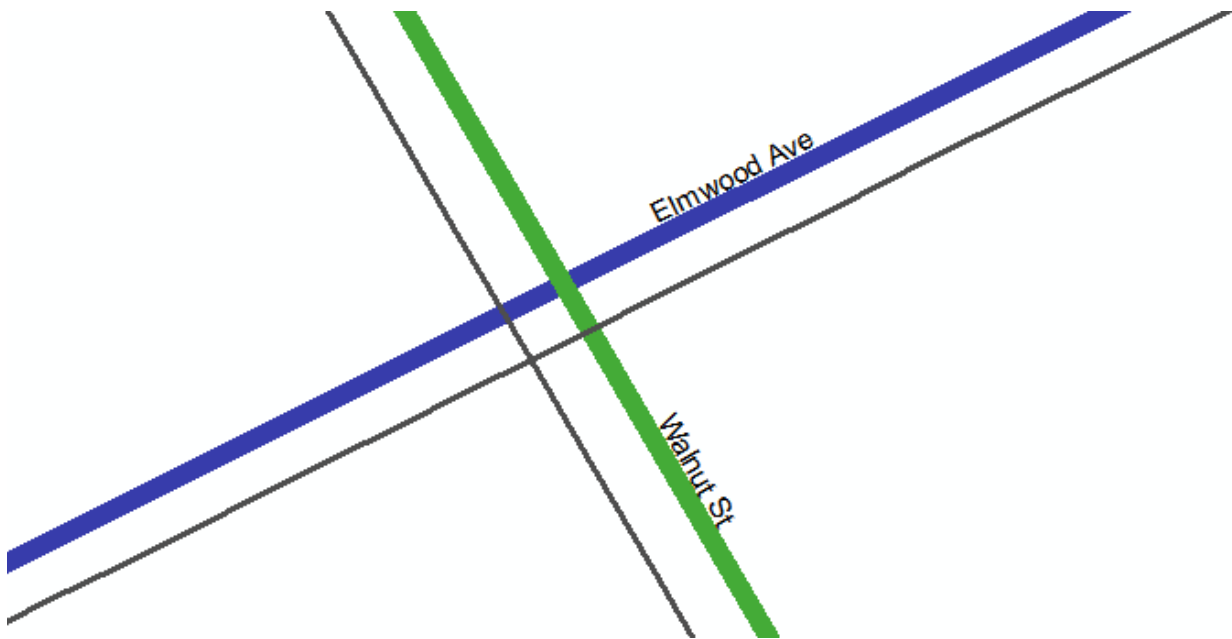
To add a new parameter, type the name into an empty row in the name column, click in the Data Type column to choose a data type, then edit the Parameter Properties.

OK Cancel Apply

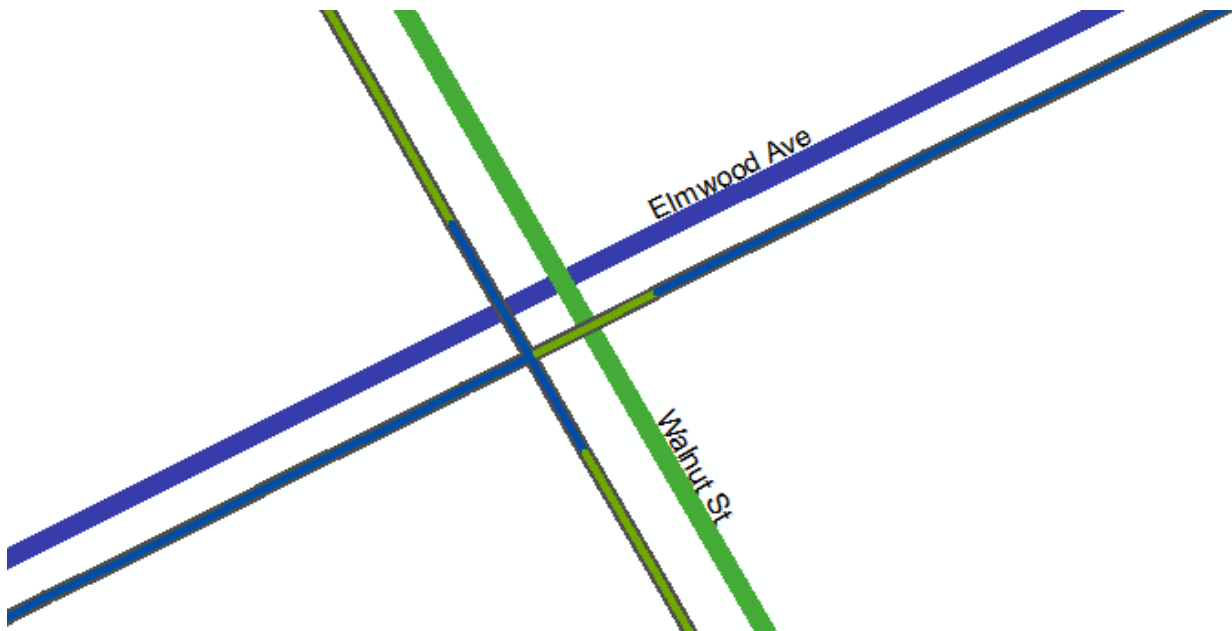
## Example use case

Joining road features with an underground utility.

Lets say you want to join the name of the roads to the sanitary mains.



A normal closest spatial join would have a result like this.



This tool factors in the polar angle of the line features producing a result like this

