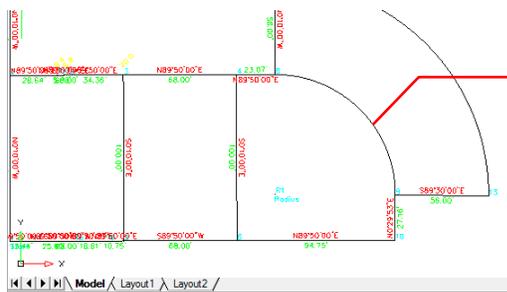


CAD Curves Dialogue

Ribbon: COGO
Menu: MsCogo
Icon: 
Command: _CAD_Curves

A feature that allows you some powerful methods of inputting curve data without having to coordinate points on the ends of all the curves, as you do in COGO. If you do wish to have the new points added to the database then this option is available. It is also a powerful and easy way to list information about any curve on screen. You do not have to pick from the menu or type a command to start this routine – simply pick a curve, while no command is running.



The user left clicks on the arc and the CAD Curves dialog will open as shown below. (GRIPS must be OFF)

When the user left clicks on an arc in the drawing the CAD Curves Dialogue will appear as shown below.

This area will let you know if the arc is in the database. If you see the word "Survey Data", the arc is in the database. If you see the word "Drawing Data" the arc is only an entity in the drawing.

CAD Curve Computations ? X

Curve Information: Survey Data

Connecting: 9 & 8

Radial #: R1

Radius: 72.000

Delta Angle: 90°40'00"

Arc Length: 113.935

Tangent Length: 72.843

Chord Length: 102.414

Chord Bearing: N44°50'00"W

Rotated Chord Bearing:

Calculate

Add Curves to Coordinate Database

This area displays the arc information.

CAD Curves Dialogue

Compound: This will draw a compound curve at the end of an existing arc. You will be prompted to pick the end of the arc to start at and to enter a new radius length.

Reverse: This will draw a reverse curve at the end of an existing arc. You will be prompted to pick the end of the arc to start from and to enter some curve information.

Tangent: This will draw a curve at the end of a line so that it is tangential.

Two Tangent: This will draw a curve based upon two lines. The curve will be tangential at each end but may not actually touch the end of the lines. The lines are not extended or cropped to match the new curve.

Three Tangent: This will draw a curve that is tangential to three lines. The three lines MUST be joined end to end, in other words, independent lines that are not touching cannot be used.

List Curve: This allows the user to get curve information from other curves without leaving the CAD Curves Dialogue.

Proportioning: Similar to proportioning described in detail under the CAD Lines section above.

Add curves to coordinate database: You have the option of drawing arcs in the drawing with coordinate points. If toggled on, coordinate points for the end points of arcs will be stored in the database. If toggled off, no coordinates will be calculated and just the arcs will appear in the drawing.

Line Calcs: Will take you to the CAD Lines Dialogue.