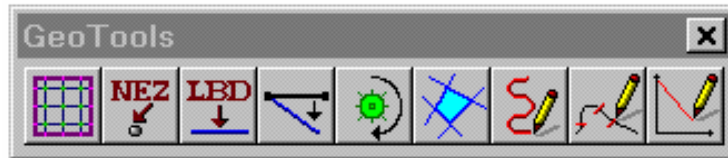


GeoTools™

Version 3.1



Feature Summary

Product Description

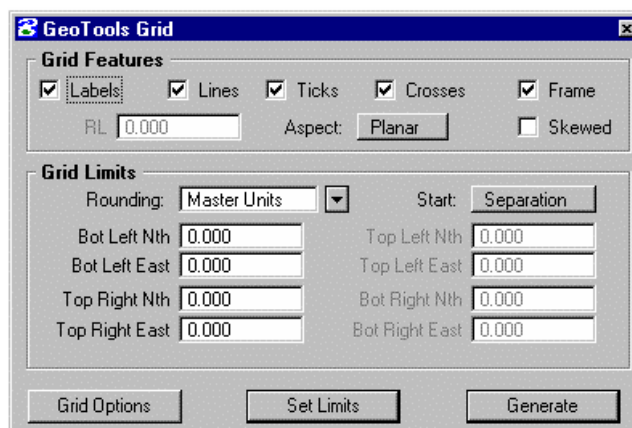
GeoTools, an MDL application, is a collection of productivity tools developed specifically for use in earth science related drafting.

Supported Platforms

GeoTools is certified for MicroStation 95, SE, J and V8, and PowerDraft, on all popular operating systems.

Grid

Place 2D or 3D grids in Planar, Easting or Northing aspect. Rotate the grid in Plan view if required. Define the grid limits either by fence, manual entry of coordinates in the dialog box, or nominated data points on the design plane. Choose from the following grid features: labels, lines, ticks, crosses and frame.



Grid Labels

- Choose the sides of the grid to label: top, bottom, left or right.
- Choose the position: inside or outside the grid.
- Specify the separation interval in each direction.
- Choose the angle: along, perpendicular, horizontal or vertical to the grid lines.
- Specify the symbology: colour, weight, line style, level, font, text size.
- Place labels with or without an alpha suffix, and choose the format of the suffix.
- Choose the format for displaying thousands, eg with/without a comma or a space.
- Specify the amount of decimal rounding.

Grid Lines

- Specify the separation interval in each direction.
- Choose the coverage, ie to the edges of the grid or inside.
- Specify the symbology: colour, weight, line style, level.

Grid Ticks

- Choose the sides of the grid to place ticks: top, bottom, left or right.
- Specify the separation interval in each direction.
- Specify the symbology: colour, weight, line style, level.

Grid Crosses

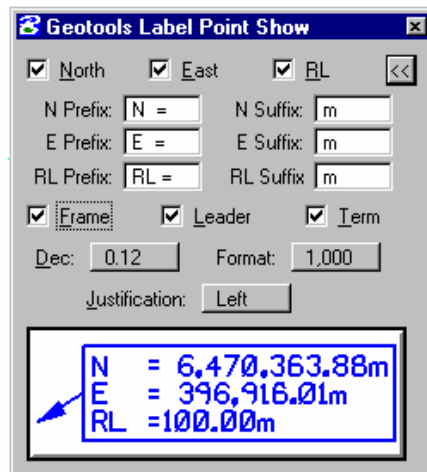
- Specify the separation interval in each direction.
- Define the size of the crosses.
- Specify the coverage, ie to the edges of the grid or inside.
- Specify the symbology: colour, weight, line style, level.

Grid Frame

- Define the offset of the frame from the grid.
- Specify the symbology: colour, weight, line style, level.

Label Point

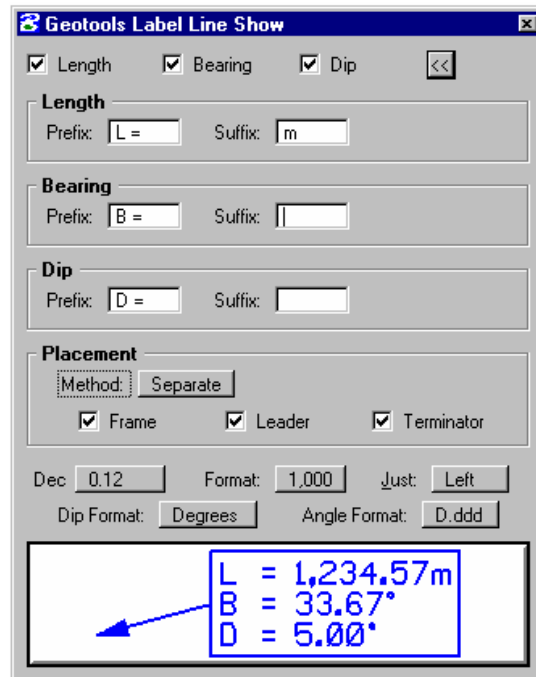
Place a user-defined label at nominated points in the design file.



- Define the contents of the label: Northing, Easting or RL.
- Specify a prefix or suffix for each value in the label.
- Optional extras: frame, leader line, arrow head.
- Specify the symbology: colour, weight, line style, level, font, text size, justification.
- Choose the format for displaying thousands, eg with/without a comma or a space.
- Specify the amount of decimal rounding.

Label Line

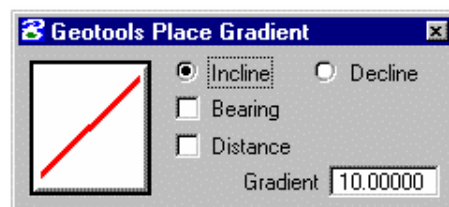
Place a user-defined label to annotate a nominated line in the design file.



- Define the contents of the label: Length, Bearing or Dip.
- Specify a prefix or suffix for each value in the label.
- Choose to place the label along the line at an offset distance, or separate.
- Optional extras for “separate” labels: frame, leader line, arrow head.
- Specify the symbology: colour, weight, line style, level, font, text size, justification.
- Choose the format for displaying thousands, eg with/without a comma or a space.
- Specify the amount of decimal rounding.
- Choose the format for labelling the Dip: Degrees, Gradient, or Rise to Run.
- Pick the Angle format: decimal degrees, deg:min:sec, degrees:decimal minutes.

Place Gradient

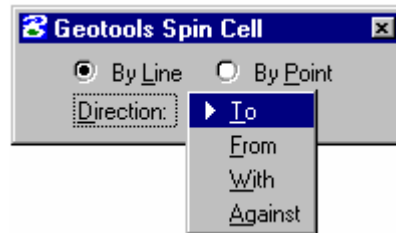
Place a line inclined or declined with a user-defined bearing, horizontal distance and gradient.



- Choose whether the line rises or falls from the start point.
- Specify the bearing and horizontal distance (length of the line in the top view).
- Define the gradient (run divided by rise).
- Specify the symbology of the line: colour, weight, line style, level.

Spin Cell

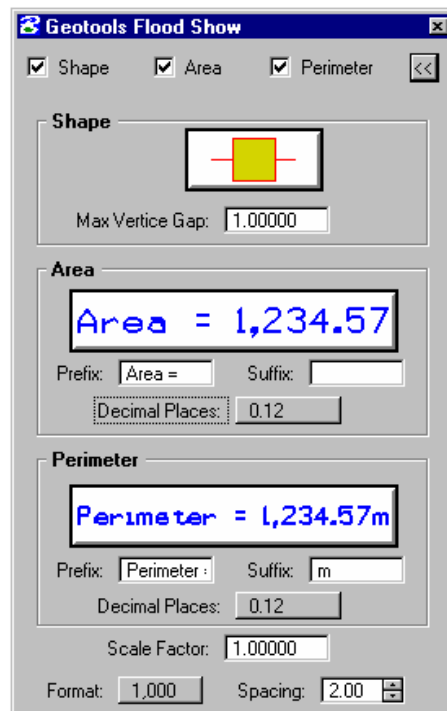
Rotate an existing cell or text element relative to other design file elements.



- Choose to rotate the cell/text relative to an existing line or dynamically by data point.
- Select the direction of rotation: To, From, With or Against.

Flood Fill

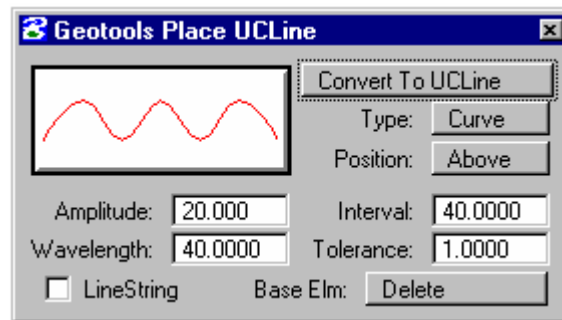
Create a shape of a void formed by a series of surrounding non-associated elements.



- Choose whether to create a shape or complex shape.
- Define the maximum gap between surrounding elements.
- Specify the symbology of the shape: colour, weight, line style, level, colour fill.
- Choose whether to calculate and label the area or perimeter values.
- Define a scale factor with which to adjust the area and perimeter calculations.
- Specify the symbology of the text: colour, weight, line style, level, font, text size.
- Define the line spacing between area and perimeter as a factor of the text height.
- Define a prefix or suffix for each value in the label.
- Specify the amount of decimal rounding.
- Choose the format for displaying thousands, eg with/without a comma or a space.

Unconformity Lines

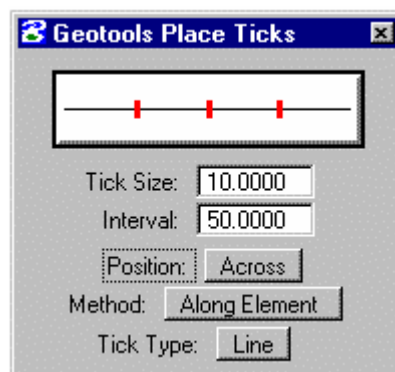
Convert linear elements to unconformity lines, or recreate the original linear elements from unconformity lines, or change the current unconformity line settings to match a nominated unconformity line.



- Choose the type of unconformity line: Curve or Arc.
- Define the position relative to the original element: Above, Below or Across.
- Specify the amplitude, interval and wavelength of the unconformity wave.
- Define the curve stroking tolerance.
- Choose whether to stroke all elements to line strings.
- Choose whether to delete the original element or convert it to construction class.

Place Ticks

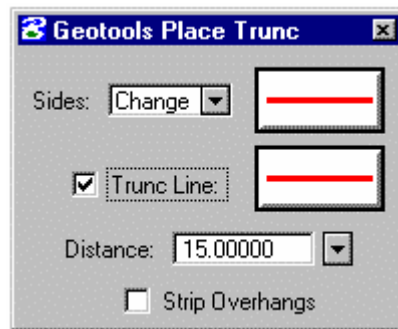
Position ticks along the path of linear elements at a user-defined interval. Tick an element dynamically, or tick the whole element at once, or allow ticks to jump between the intersection of non-associated elements.



- Choose either lines or cells as tick elements.
- Specify the symbology of line ticks: colour, weight, line style, level.
- Define the line tick size and the distance between ticks.
- Select the position of line ticks relative to the linear elements: Above, Below, Across.

Place Truncation

Place a truncation line at a user-defined distance from the intersection of two linear elements. Possibly modify the section of the side lines between the truncation line and the intersection point.



- Select “side line action”: delete, change symbology, or leave unchanged.
- Choose whether to place a truncation line or just modify the side lines.
- Specify the symbology of the truncation line: colour, weight, line style, level.
- Specify the distance from the intersection to place the truncation.
- Choose whether to remove the line work beyond the intersection point.



Australian Data Systems

55 Morrison Road, Midland, Western Australia 6056
Ph: +61 8 9250 8044 Fax: +61 8 9250 8344
ads@ozdata.com.au www.ozdata.com.au