

Obtaining Drawing Information

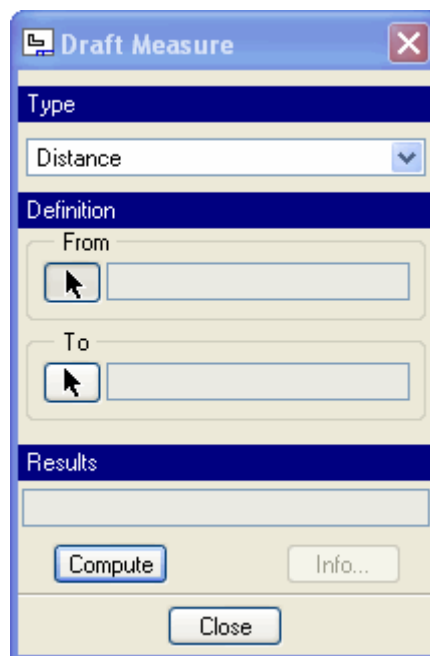
This suggested technique will outline the functionality used to obtain information regarding the drawing and drawing entities. Pro/ENGINEER can provide information regarding views, drawing grid, and draft entities. This information can be very useful during drawing creation.

Procedure

- [Measure Draft Entities](#)
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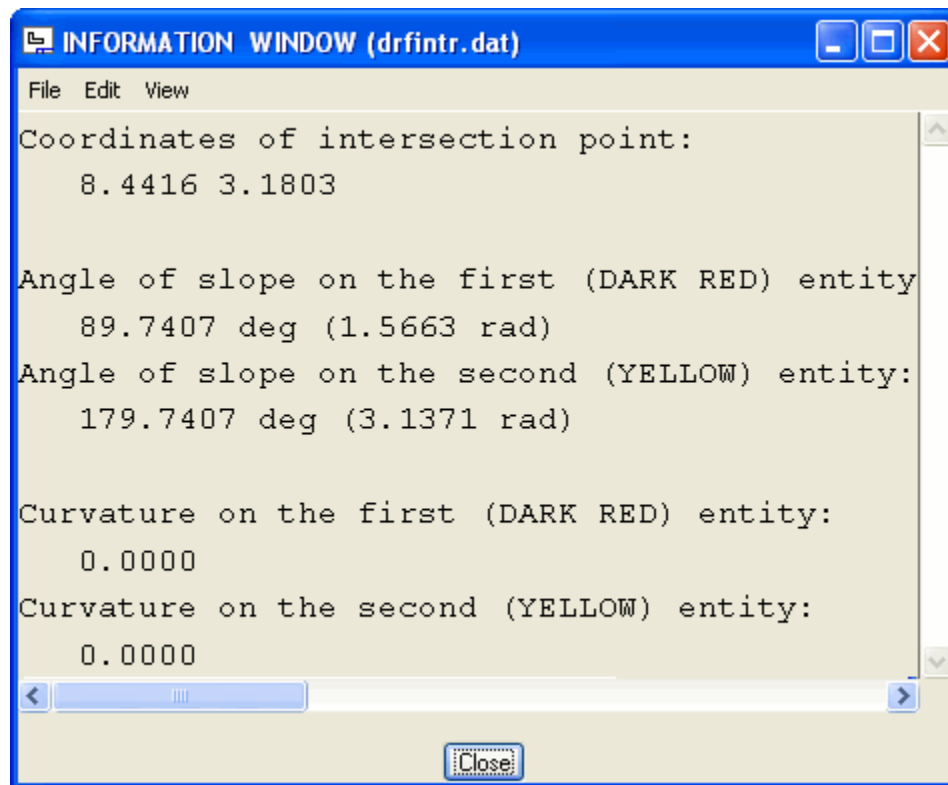
Measure Draft Entities

To measure draft entities, select **Analysis > Measure Draft Entities**. The Draft Measure dialog box appears as in Figure 1. To measure the distance between two draft entities, select **Distance** from the Type pull-down menu. Select the first draft entity and then the second draft entity. The distance is displayed in the Results field.

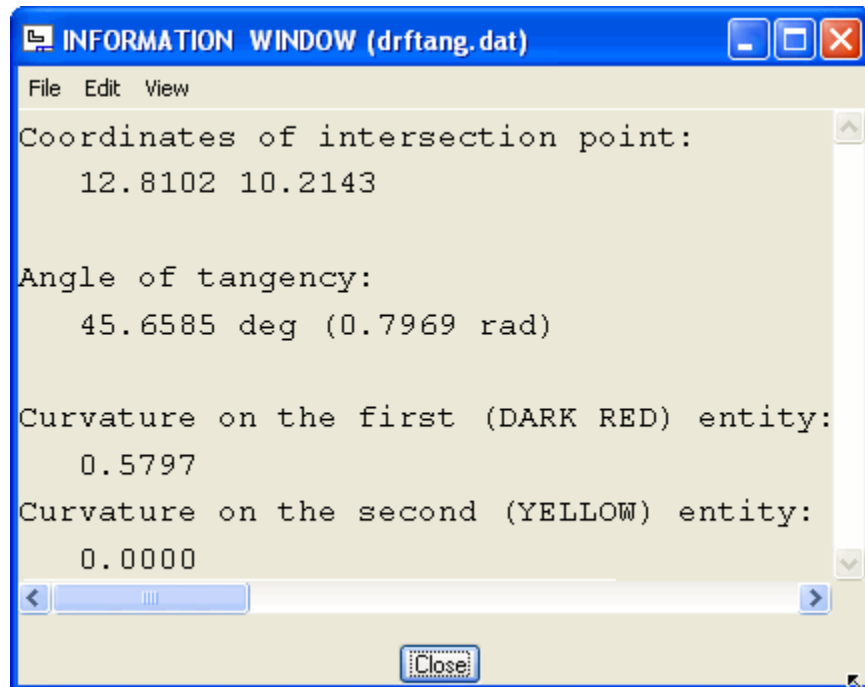


To measure the Angle of a line, select **Angle** from the Type pull-down menu. Select the draft entity to measure the angle against. Select the second draft entity or check the **Use horizontal** box to measure the angle of the first entity against the horizontal. The angle is displayed in the Results field.

To determine the intersection point of two draft entities, select **Intersection Point** from the Type pull-down menu. Select the two draft entities. The information is displayed in the Results field. Select **Info** to better display the information. A sample Information Window is displayed in Figure 2.

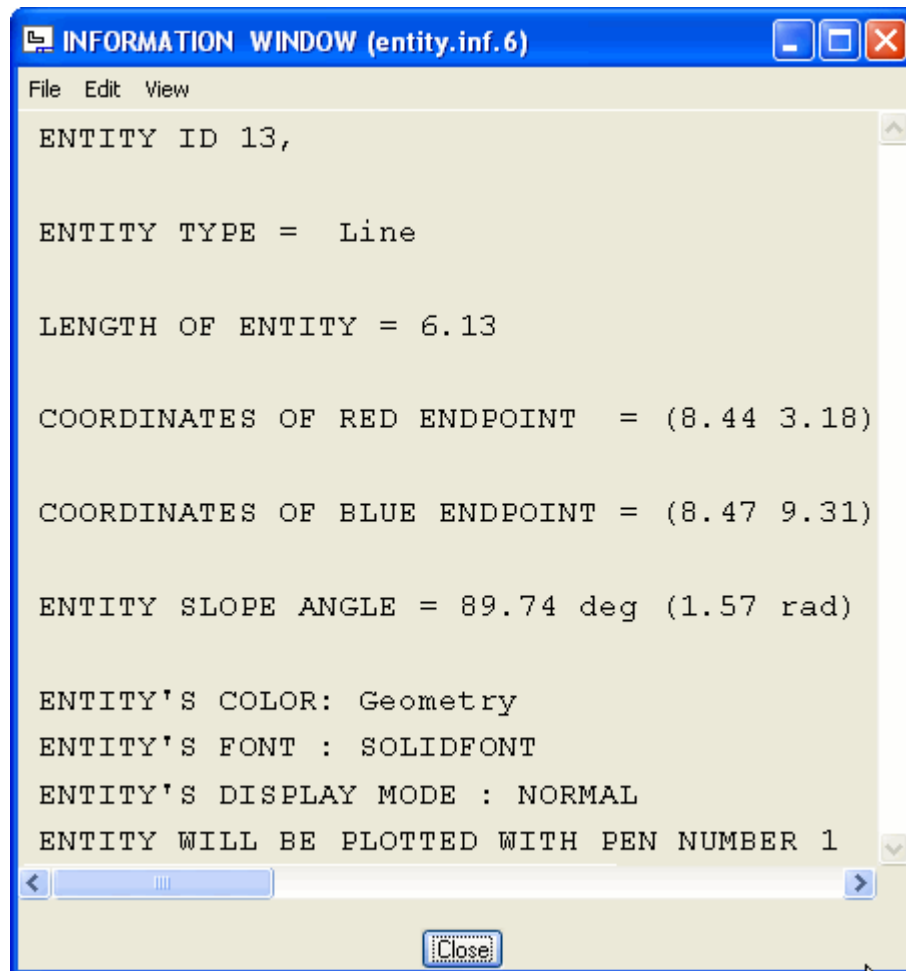


To determine the tangency point of two draft entities, select **Tangent Point** from the Type pull-down menu. Select the two draft entities. The information is displayed in the Results field. Select **Info** to better display the information. A sample Information Window is displayed in Figure 3.



Entity Info

To obtain information regarding a draft entity, select **Info > Draft Entity**. Select the draft item to obtain information about. An Information Window will appear that displays the entity ID, entity type, length of entity, coordinates of endpoints, slope angle, color, font, display mode, and which pen will be used when plotting. Selecting a curved sketched entity will also display the curvature at each endpoint, slope at each endpoint, the radius, and the coordinates of the center point. See Figure 4.



View Info

To obtain information regarding a particular view, select **Info > Drawing View**, select the view and then a window will be displayed with information regarding the particular view. Pro/ENGINEER will provide such information as the view name, view type, view model, what sheet it resides on, children views (if any), view display, etc. Select [here](#) for a sample picture of the information window.

Grid Info

To display information regarding the current draft grid, select **Info > Draft Grid**. Pro/ENGINEER will display the information in the message window with the following format: "The sketcher grid angle is 45.00, x spacing is .5, y spacing is .25."

Display Info

To obtain display status information, select **Info > Check Display Status**. This is useful when using the **Save Display** functionality because it ensures the most current display when saving a drawing. Regenerating all of the sheets of the drawing will usually update all of the views. If the display of the drawing is already the most current, Pro/ENGINEER will display the message: "There is no display in need of regeneration."
