



Display Labels

INTRODUCTION

It is often useful to be able to identify specific nodes or elements within your model. EnSight can display node and element labels in the Graphics Window. If your data provides explicit node or element labels, EnSight will use those values. Otherwise, default values are used (starting from one). Only model parts can have labels.

Displaying labels on parts with thousands of nodes or elements can obscure both the geometry as well as the labels of interest. EnSight provides a filtering mechanism to display only selected ranges of labels.

BASIC OPERATION

Displaying Node Labels

To display node labels:

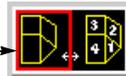
1. Select the desired part(s) in the Main Parts list.
2. Select Part mode in the Mode Selection area.
3. Click the Node Label Toggle to display node labels for the selected part(s).



Displaying Element Labels

To display element labels:

1. Select the desired part(s) in the Main Parts list.
2. Select Part mode in the Mode Selection area.
3. Click the Element Label Toggle to display element labels for the selected part(s).



Note that the Node and Element Label toggles also have counterpart toggles in View Mode. The buttons in View Mode act as global toggles that enable or disable any per-part node or element labels.



Coloring and Filtering Labels

You can color node and element labels separately to distinguish them from each other and from other objects. You can also reduce the number of labels shown by displaying only certain ranges. Both of these tasks are accomplished in the Node/Element Labeling Attributes dialog.

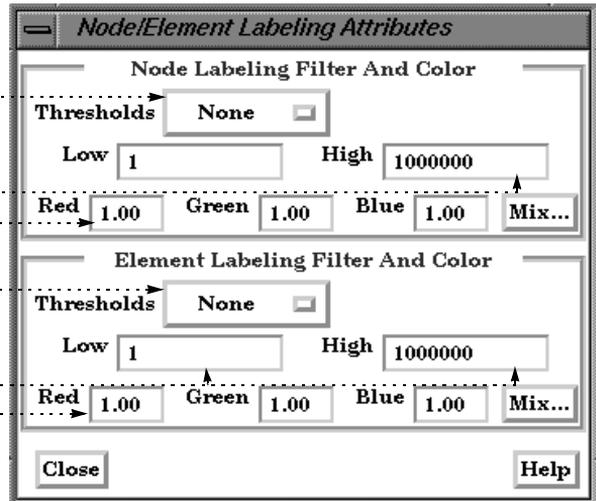
1. From the Main Menu: Select **View > Label Visibility > Labeling Attributes**.

To set filters for node labels, select the desired filter and enter the appropriate values in the Low and/or High fields.

Set the node label color.

To set filters for element labels, select the desired filter and enter the appropriate values in the Low and/or High fields.

Set the element label color.



The label filters operate as follows:

None	Display all labels.
Low	Remove all labels < the Low value
Band	Remove all labels \geq Low and \leq High
High	Remove all labels > the High value
Low/High	Remove all labels < the Low value as well as those > the High value.

OTHER NOTES

Another useful technique for reducing label clutter is to use the front and back Z clipping planes to display only a thin slice of interest. See [How To Set Z Clipping](#) for more information.

SEE ALSO

User Manual: [Label Visibility](#)