Add_Graph_Annotation

Manual Annotations

Graph Annotations can be manually modified by using the annotations button on the Add/Modify Graph pop up dialog. For more information about graphing annotations, see the 2D Graph Annotations page.

Pipeline Command

```
Add_Graph_Annotation
  /PAGE_NUMBER=
  /COLUMN_NUMBER=
  /ROW_NUMBER=
  /DRAW_ORDER=
  /ANNOTATION_EVENT=
! /ANNOTATION_STYLE=Ticks
! /ANNOTATION_COLOR=Red
! /ANNOTATION_SIZE=Normal
! /ANNOTATION_GLOBAL=False
! /ANNOTATION_AVERAGE_EVENT=False
;
```

Draw Order

Draw order indicates which graph will be annotated. The first graph that was drawn will be drawn first.

The graphs are drawn in the order they are created. It is possible to check which graph was drawn first, two methods can be found here.

\\ Add_Graph_Annotation\\ /PAGE_NUMBER=2\\ /COLUMN_NUMBER=1\\ /ROW_NUMBER=1\\ /DRAW_ORDER=1\\ /ANNOTATION_EVENT=LTO\\ /ANNOTATION_STYLE=VERTICAL LINE\\ /ANNOTATION_COLOR=GREEN\\ /ANNOTATION_SIZE=Normal\\ /ANNOTATION_GLOBAL=False\\ /ANNOTATION_AVERAGE_EVENT=False\\ ;\\
\\ Add_Graph_Annotation\\ /PAGE_NUMBER=2\\ /COLUMN_NUMBER=1\\ /ROW_NUMBER=1\\ /DRAW_ORDER=2\\ /ANNOTATION_EVENT=LTO\\ /ANNOTATION_STYLE=VERTICAL LINE\\ /ANNOTATION_COLOR=PURPLE\\ /ANNOTATION_SIZE=Normal\\ /ANNOTATION_GLOBAL=False\\ /ANNOTATION_AVERAGE_EVENT=False\\ ;\\

Modifying the DRAW_ORDER is similar to using the “Set annotation local” radial box when manually adding an annotation.

Annotation Event

The event times at which a symbol should be drawn.

If Annotation_Average_Event is true, the edit box has two meanings

1. a number indicating the percent of the range
2. an event label, such that the event labels in all graphs are added

Annotation_Style

The following options are available:

TICKS Top TICKS Bottom TICKS Vertical Line Box Triangle Cross Up Arrow Down Arrow

Annotation_Color

The following options are available:

Black Blue Cyan Green Purple Red Yellow

Annotation Size

The following options are available:

Normal Large Small

Annotation Global

When set to **FALSE** will add graph annotation to only the graphs at the specified location (for example row 1 column 1) **based on the DRAW_ORDER.**

```
\\ Add_Graph_Annotation\\ /PAGE_NUMBER=2\\ /COLUMN_NUMBER=1\\
/ROW_NUMBER=1\\ /DRAW_ORDER=1\\ /ANNOTATION_EVENT=LTO\\
/ANNOTATION_STYLE=VERTICAL LINE\\ /ANNOTATION_COLOR=GREEN\\
/ANNOTATION_SIZE=Normal\\ /ANNOTATION_GLOBAL=FALSE\\
/ANNOTATION_AVERAGE_EVENT=False\\ ;\\
```

When set to **TRUE** will add graph annotation to all graphs at the specified location (for example row 1 column 1), **regardless of DRAW_ORDER.**

```
\\ Add_Graph_Annotation\\ /PAGE_NUMBER=2\\ /COLUMN_NUMBER=1\\
/ROW_NUMBER=1\\ /DRAW_ORDER=1\\ /ANNOTATION_EVENT=LTO\\
/ANNOTATION_STYLE=VERTICAL LINE\\ /ANNOTATION_COLOR=GREEN\\
/ANNOTATION_SIZE=Normal\\ /ANNOTATION_GLOBAL=TRUE\\
/ANNOTATION_AVERAGE_EVENT=False\\ ;\\
```

Modifying the ANNOTATION_GLOBAL is similar to using the “Set annotation globally” radial box when manually adding an annotation.

Annotation Average Event

When set to **FALSE**, all instances of the event will be displayed.

```
\\ Add_Graph_Annotation\\ /PAGE_NUMBER=2\\ /COLUMN_NUMBER=1\\
/ROW_NUMBER=1\\ /DRAW_ORDER=1\\ /ANNOTATION_EVENT=LTO\\
/ANNOTATION_STYLE=VERTICAL LINE\\ /ANNOTATION_COLOR=GREEN\\
/ANNOTATION_SIZE=Normal\\ /ANNOTATION_GLOBAL=False\\
/ANNOTATION_AVERAGE_EVENT=FALSE\\ ;\\
```

When set to **TRUE**, all instances of the event will be averaged, and only the average event will be displayed.

```
\\ Add_Graph_Annotation\\ /PAGE_NUMBER=2\\ /COLUMN_NUMBER=1\\
/ROW_NUMBER=1\\ /DRAW_ORDER=1\\ /ANNOTATION_EVENT=LTO\\
/ANNOTATION_STYLE=VERTICAL LINE\\ /ANNOTATION_COLOR=GREEN\\
/ANNOTATION_SIZE=Normal\\ /ANNOTATION_GLOBAL=False\\
/ANNOTATION_AVERAGE_EVENT=TRUE\\ ;\\
```

Modifying the ANNOTATION_AVERAGE_EVENT is similar to using the “All Graphs” or “Average Event or Numeric Value” radial box when manually adding an annotation.

From:
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https://has-motion.com/wiki/doku.php?id=visual3d:documentation:pipeline:report_commands:add_graph_annotation&rev=1721158283

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