Add Graph Annotation

Overview

Graph annotations, which can be manually modified by using the annotations button on the Add/Modify Graph pop up dialog, can also be added using the Add_Graph_Annotation pipeline command.

Annotations like setting the graph title, changing graph properties such as line colour/ line style and size can be done using this pipeline command.

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
;
```

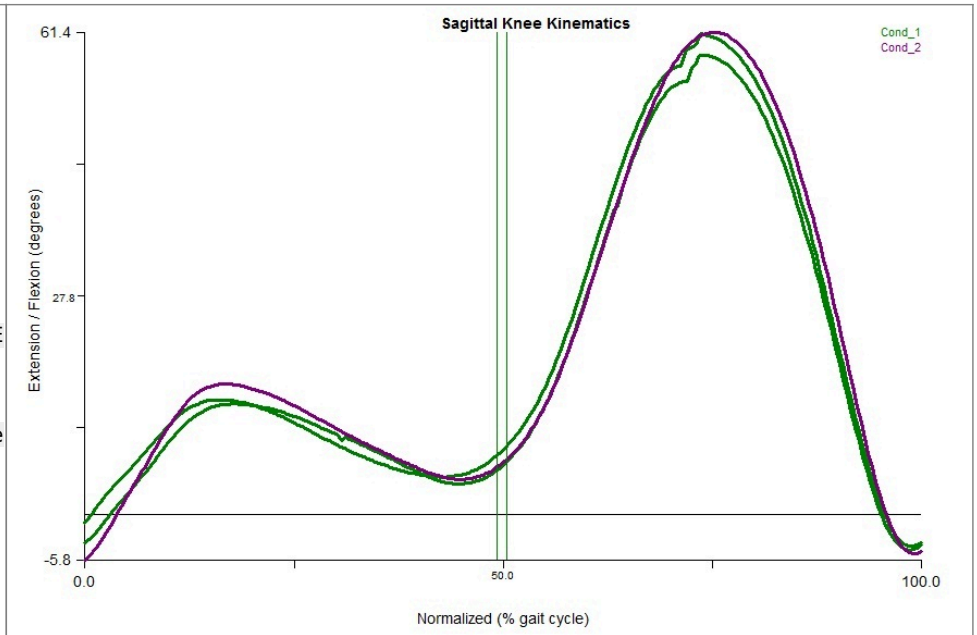
Parameters

The Page_Number, Column_Number, and Row_Number parameters are used to specify the location of the graph to be modified by the command.

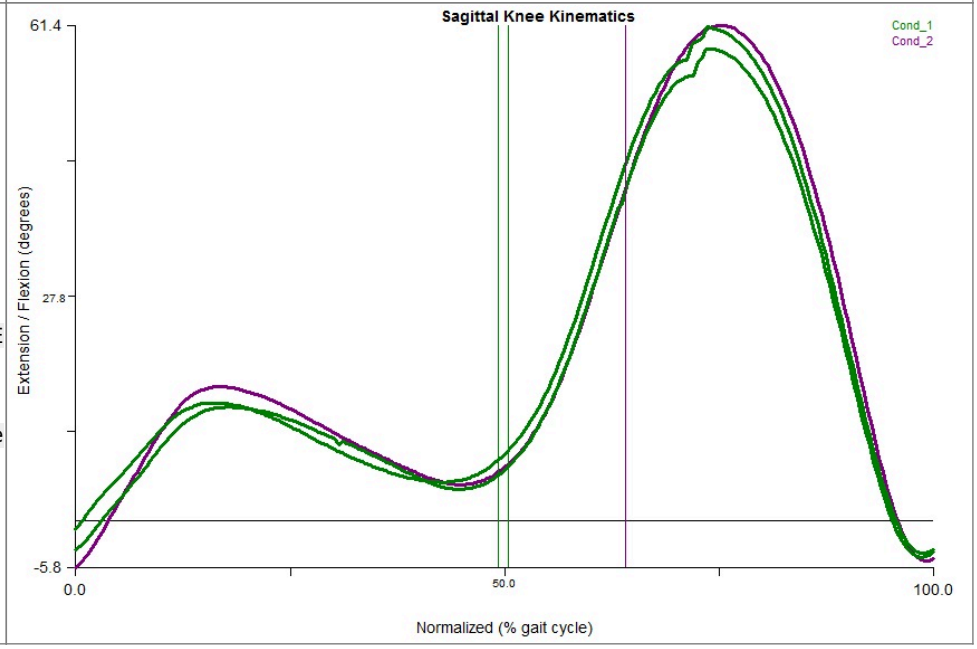
Draw Order

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

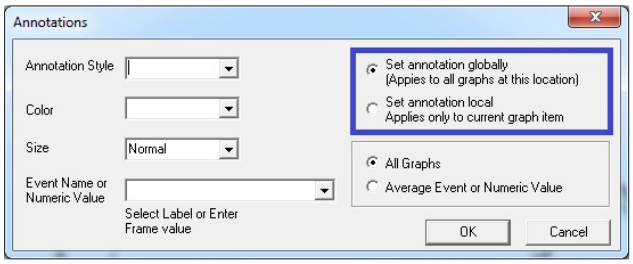
```
Add_Graph_Annotation
/PAGE_NUMBER=2
/COLUMN_NUMBER=1
/ROW_NUMBER=1
/DRAW_ORDER=1
/ANNOTATION_EVENT=LTO
/ANNOTATION_STYLE=VERTICAL LINE
/ANNOTATION_COLOR=GREEN
/ANNOTATION_SIZE=Normal
/ANNOTATION_GLOBAL=False
/ANNOTATION_AVERAGE_EVENT=False
;
```

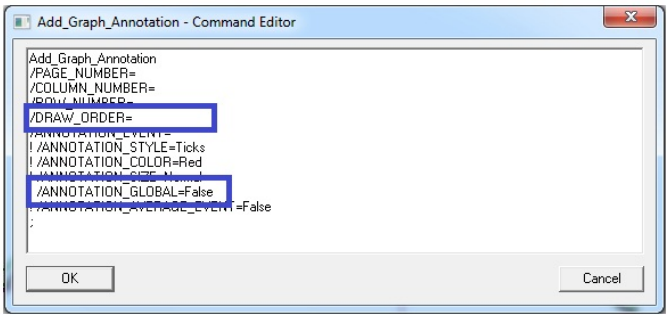



```
Add_Graph_Annotation
/PAGE_NUMBER=2
/COLUMN_NUMBER=1
/ROW_NUMBER=1
/DRAW_ORDER=2
/ANNOTATION_EVENT=LTO
/ANNOTATION_STYLE=VERTICAL LINE
/ANNOTATION_COLOR=PURPLE
/ANNOTATION_SIZE=Normal
/ANNOTATION_GLOBAL=False
/ANNOTATION_AVERAGE_EVENT=False
;
```



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

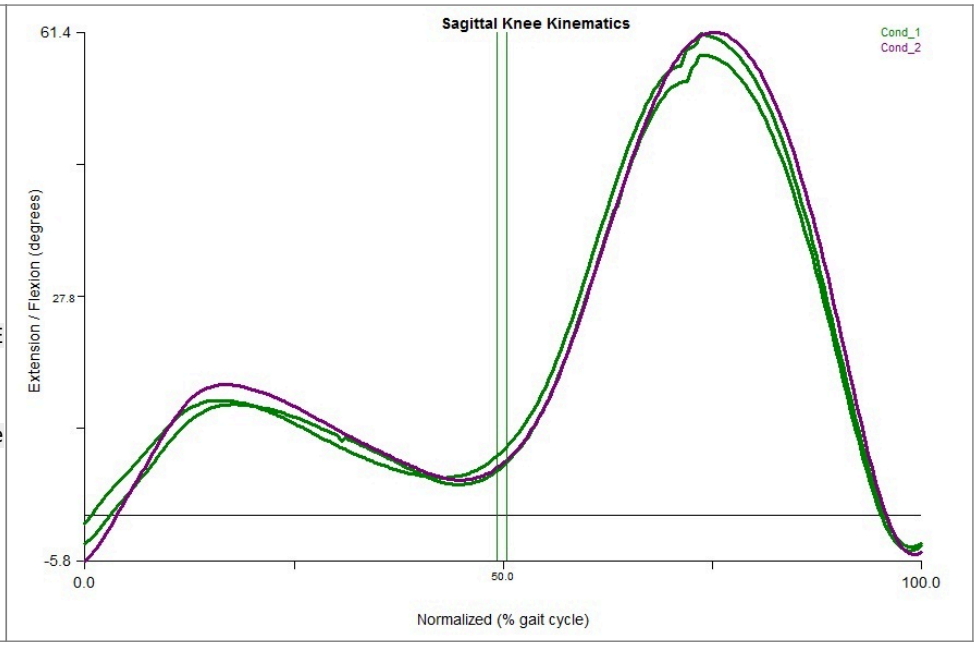
The following options are available:

Annotation_Style	Annotation_Color	Annotation Size
TICKS	Black	Normal
Top TICKS	Blue	Small
Bottom TICKS	Cyan	Large
Vertical Line	Green	
Box	Purple	
Triangle	Red	
Cross	Yellow	
Up Arrow		
Down Arrow		

Annotation Global

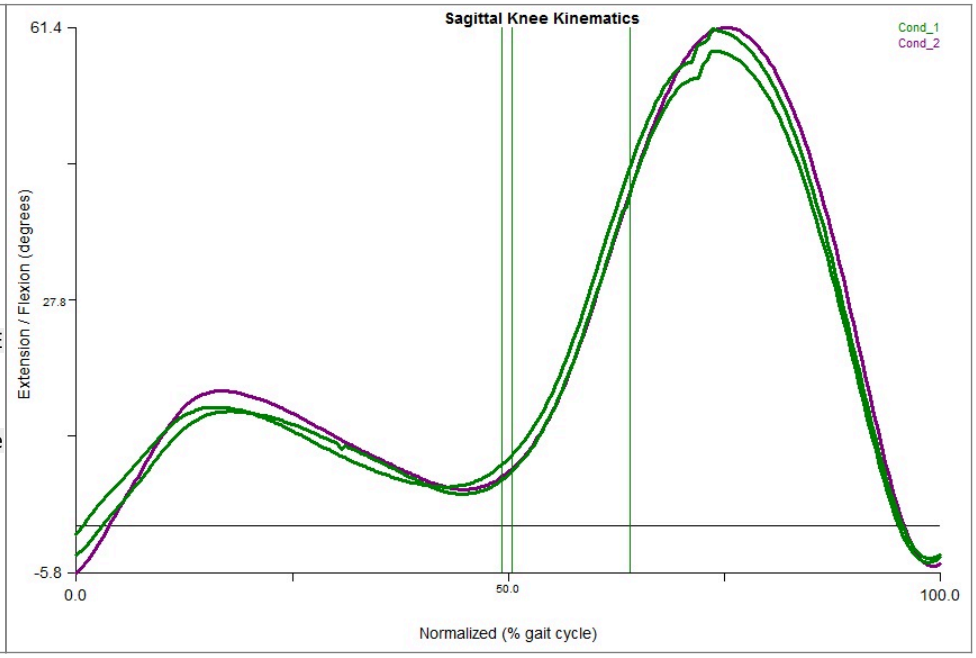
When set to **FALSE** will add graph annotation to only the graphs at the specified location (for example row 1 column 1) **based on the DRAW_ORDER.**

```
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
;
```

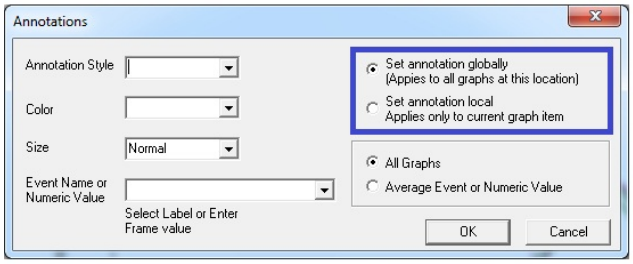


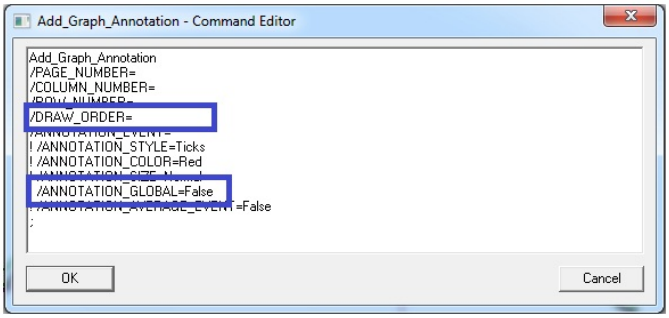
When set to **TRUE** will add graph annotation to all graphs at the specified location (for example, at row 1, column 1), **regardless of DRAW_ORDER.**

```
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.

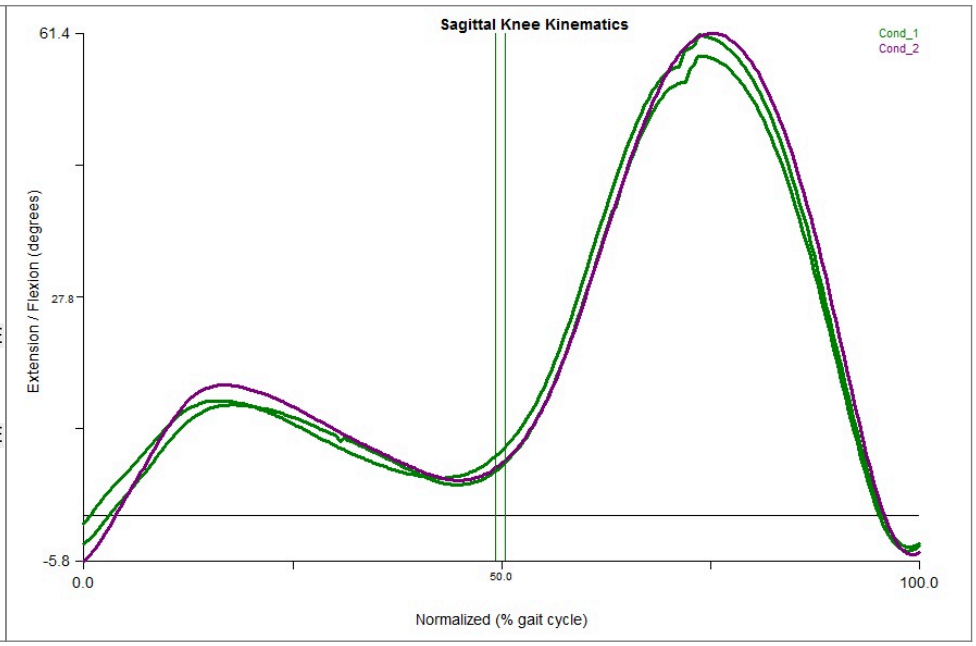




Annotation Average Event

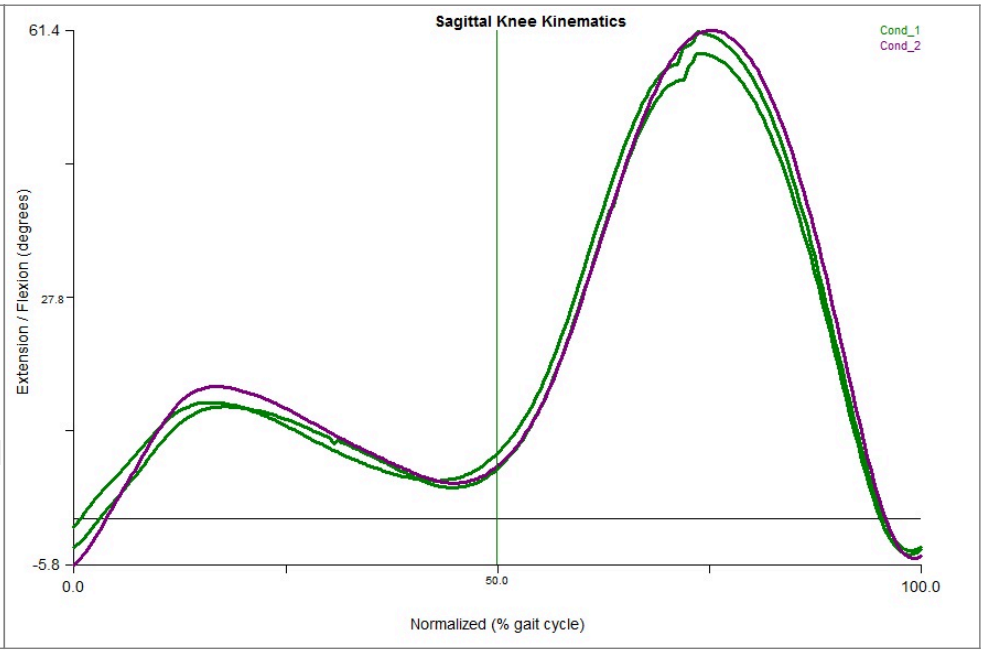
When set to **FALSE**, all instances of the event will be displayed.

```
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
;
```

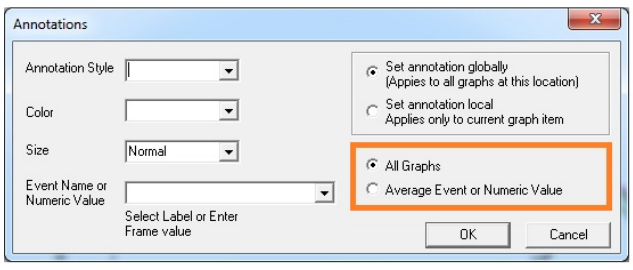


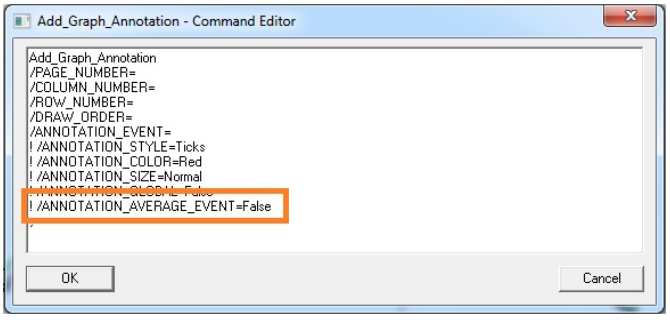
When set to **TRUE**, all instances of the event will be averaged, and only the average event will be displayed.

```
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.





See Also

It is also possible to add free-form text annotations to reports. Or go back to the Report Commands Overview.

From:
https://has-motion.com/wiki/ - **Wiki Documentation Site**

Permanent link:
https://has-motion.com/wiki/doku.php?id=visual3d:documentation:pipeline:report_commands:add_graph_annotation&rev=1757351216

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