

Global vs Loca Max and Min

Minimum

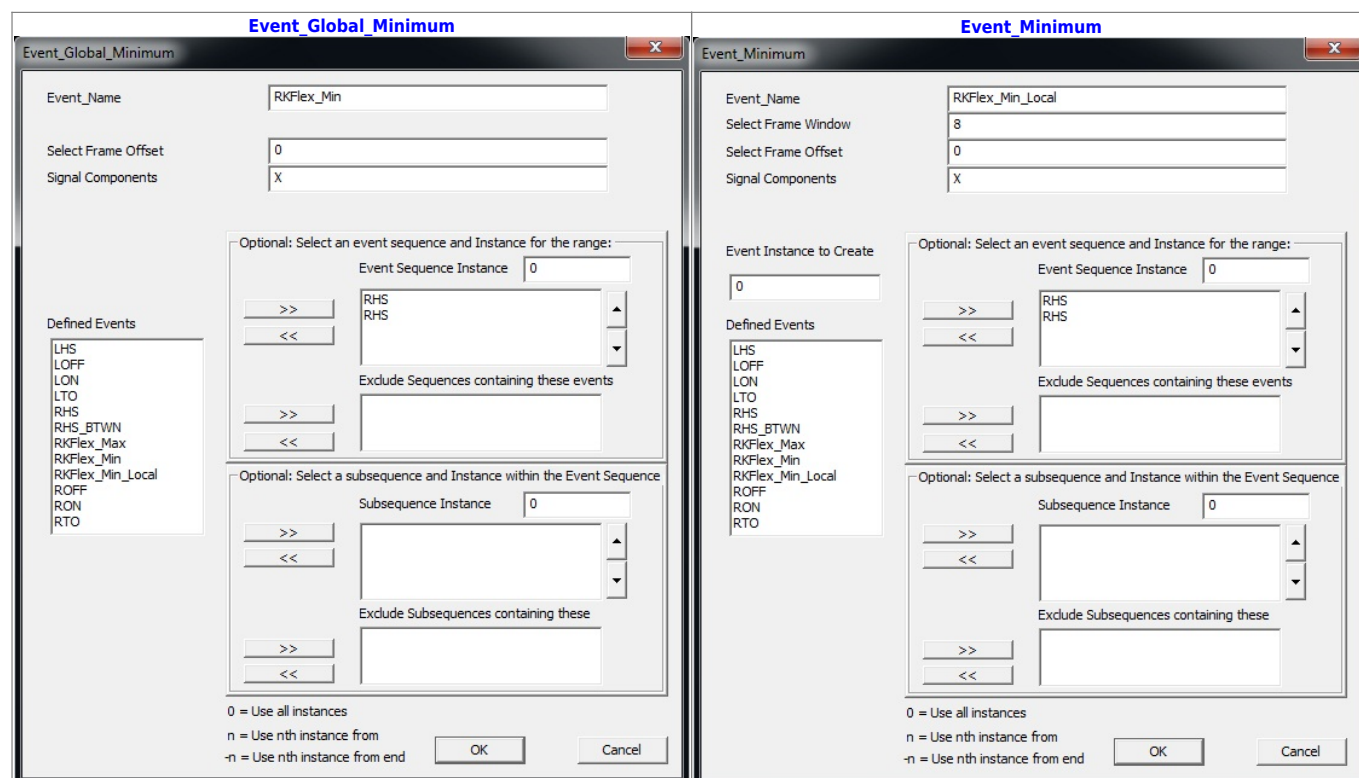
It is important to understand the differences between the **Event_Global_Minimum** and **Event_Minimum** commands.

Event_Global_Minimum creates an event at the global minimum value of a signal.

Event_Minimum creates an event at the local minimum value of a signal. This means the minimum value must be the minimum value for a number of frames before and after the value. The minimum number of frames is specified in the **Frame Window** parameter of the pipeline command.

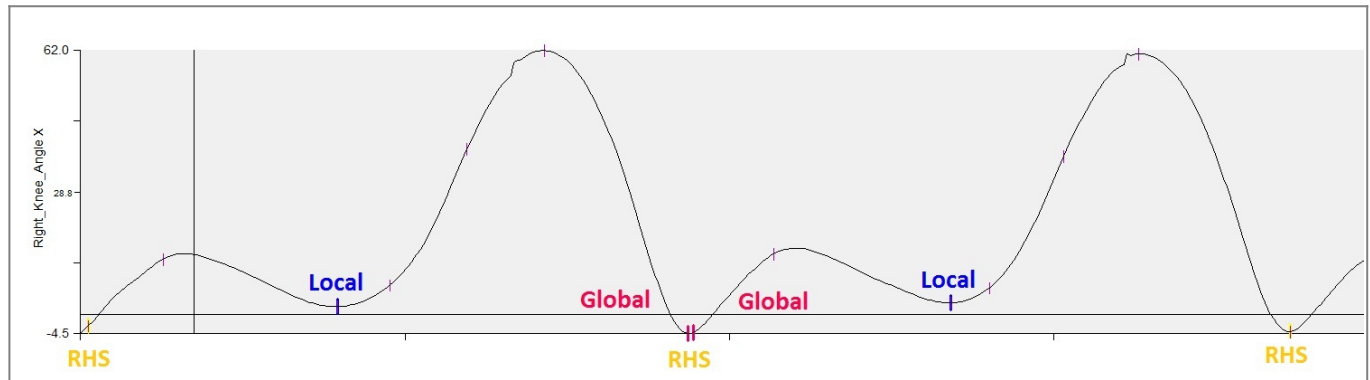
For Example:

For example: Create events at the global and local minimum of the Right Knee Flexion Angle during a gait cycle (RHS+RHS).



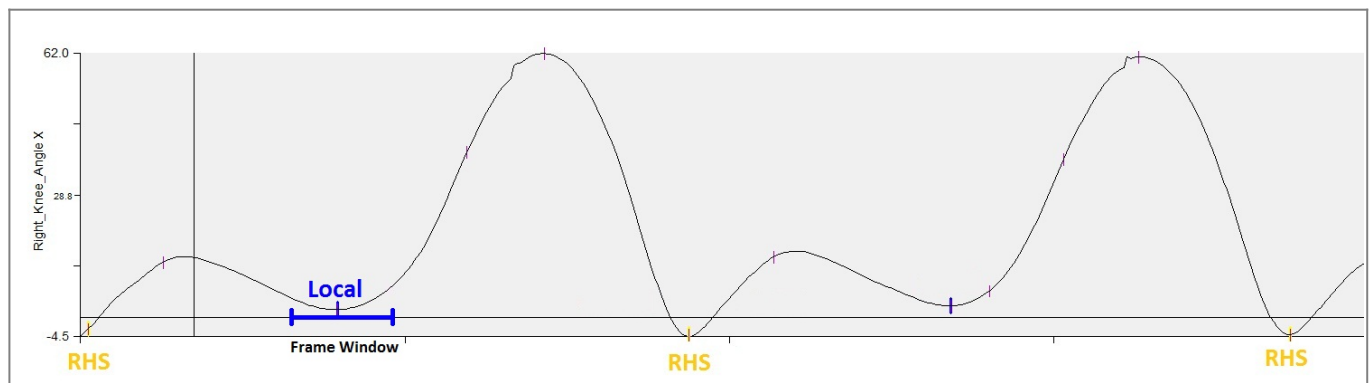
The **Global Minimum** event is created at the lowest flexion angle during the entire gait cycle.

The **Local Minimum** event is created at the minimum flexion angle, if that pt is the minimum value for 8 frames (the number of frames is pecified by the frame window).



To identify a local minimum:

- The local minimum must be a peak and the signal may not be decreasing within the specified frame window.



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