LabVIEW – Events

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Events I

• Event examples are Mouse Enter, Mouse Down, Value Change, Resize Panel, Timeout, Close Panel etc
• An Event Structure waits for an Event to happen, and then executes the appropriate case for that Event
• Usually used within a While loop
Events II

• The Event structure waits for something to happen, rather than continually polling
Events III

• How to Exit from an Event structure...
• Click on structure border and ‘Add Event Case’; select Controls>>stop>>Value Change
Events IV

• If reading a latched Boolean control, you must place it inside the case where it is processed.
• Events can drastically reduce processor time which is otherwise spent on polling.
• Timeout can take a default value of -1, meaning it times out at infinity – VI can be unstoppable unless other event cases are configured!
Events V

• Example of Mouse Enter/Leave events
Events VI

• Some Events can be discarded, known as Filter Events. They have ‘?’ in the selector label

Filter Event

If Panel is closed when VI is running, this operation is discarded