

**NAME**

XtNextEvent, XtPending, XtPeekEvent, XtProcessEvent, XtMainLoop - query and process events and input

**SYNTAX**

```
#include <X11/Intrinsic.h>
```

```
void XtNextEvent(XEvent *event_return);
```

```
Boolean XtPeekEvent(XEvent *event_return);
```

```
Boolean XtPending(void);
```

```
void XtProcessEvent(XtInputMask mask);
```

```
void XtMainLoop(void);
```

**ARGUMENTS**

- event* Specifies a pointer to the event structure that is to be dispatched to the appropriate event handler.
- event\_return* Returns the event information to the specified event structure.
- mask* Specifies what types of events to process. The mask is the bitwise inclusive OR of any combination of **XtIMXEvent**, **XtIMTimer**, **XtIMAlternateInput**, and **XtIMSignal**. As a convenience, the X Toolkit defines the symbolic name **XtIMAll** to be the bitwise inclusive OR of all event types.

**DESCRIPTION**

**XtNextEvent** has been replaced by **XtAppNextEvent**.

**XtPeekEvent** has been replaced by **XtAppPeekEvent**.

**XtPending** has been replaced by **XtAppPending**.

**XtProcessEvent** has been replaced by **XtAppProcessEvent**.

**XtMainLoop** has been replaced by **XtAppMainLoop**.

**SEE ALSO**

XtAppNextEvent(3xt), XtAppPending(3), XtAppPeekEvent(3), XtAppProcessEvent(3),  
XtAppMainLoop(3)

*X Toolkit Intrinsic - C Language Interface*

*Xlib - C Language X Interface*