NAME

MASE Mouse Support

SYNOPSIS

MASE has limited support for the use of a mouse. Basically, the character C-X (Control-X, or octal \030) is reserved as the mouse prefix character. This character runs a function that tries to interpret something useful from the mouse. The format of this string is:

C-XC-@(button_number mouse_column mouse_row)

The parenthesis are literal. The ‘‘button_number’’ should be ‘‘1’’ for left button, ‘‘2’’ for middle button, and ‘‘4’’ for right button. The mouse_column and mouse_row are digits indicating the mouse position in CHARACTERS, not in pixels. There are two mouse drivers available, one for use with SunTools, and another for use with X-Windows.

SUN–TOOLS

The mouse driver from GNU-EMACS is employed. *MASE* should be run under ‘‘emacstool’’ by running

emacstool -rc mase

from the command line. See the documentation on ‘‘SunTools’’ for information about sizing the window. Alternately, you can run

emacstool -rc csh then start *MASE* in that shell window. (With the emacstool -rc csh, you can resize the window BEFORE you run ‘‘mase’’ if you like.)

X–WINDOWS

I have written a mouse driver for X-Windows that attempts to mimic the GNU-EMACS driver for SunTools. It is called ‘‘mouse_type’’. To start this driver, put the mouse in the window where you will be running *MASE.* From the system command level, run

mouse_type title

if the xterm window has a title bar, or

mouse_type no-title

This process will fork off and leave a copy suspended. To kill it, ‘‘fg’’ it or log off. This process needs special privileges to be able to synthesize input, hence this weird way of starting and killing it.

The Mouse Functions

MOUSE LEFT BUTTON

When you click the left mouse button, the *MASE* cursor will be move to where the mouse was clicked.

MOUSE MIDDLE BUTTON

First, set the *MASE* cursor to where the mouse was clicked. Then, insert ONE gap.

MOUSE RIGHT BUTTON

First, set the *MASE* cursor to where the mouse was clicked. Then, delete ONE gap.

SHIFT – MOUSE MIDDLE BUTTON

Open a rectangle.

Position mouse cursor at one corner of the rectangle you want to open (it will insert gaps to open it). Press and hold the ‘‘SHIFT’’. Press and hold the middle mouse button. Move to the diagonal corner of the ‘‘box’’ you want to open. Release the mouse button. Release the

''SHIFT''. This isn't as long and drawn out as I've made it seem! This is a mouse analog of the function of the *INS-COLUMNS* command.

SHIFT – MOUSE RIGHT BUTTON

Close a rectangle (delete columns of gaps)

Position mouse cursor at one corner of the rectangle you want to zap. Press and hold the ''SHIFT''. Press and hold the right mouse button. Move to the diagonal corner of the ''box'' you want to delete. Release the mouse button. Release the ''SHIFT''. This is a mouse analog of the function of the *DEL-COLUMNS* command. If *PROTECT* is *OFF,* the deletions will occur immediately. If *PROTECT* is *ON,* you will be prompted case by case about protection violations.

BUGS

MASE does not recognize the signal **SIGWINCH,** which the operating system uses to notify programs that the size of their window has been changed. Therefore, the size of the *MASE* window cannot be changed once *MASE* has started.

The mouse functions ignore the repeat, or *MULT* factor. +

ADDITIONAL NOTE +

XTERM provides a way to generate mouse codes directly. For more information on this, please contact +
Don Faulkner directly. +