
Subject: A solution: Cursor-editing techniques/tools?
Posted by [djackson](#) on Wed, 08 Dec 1993 22:24:36 GMT
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In article <2e338a\$hv4@canopus.cc.umanitoba.ca>
djackson@ibd.nrc.ca (Dick Jackson) (that's me!) writes:

> Hi folks,
>
> I need to make up a few cursors for an IDL widget application [...]
[...]
> At the most, I'd love to hear that someone's made a widget application
> for doing cursor editing!

Umm, sorry to have missed it, but I've just discovered a widgets
application called XBM_EDIT, a bitmap editor, which will write a
byte(2,16) array definition out
to a file (the file was named 'curs' in this example), like this:

```
curs = [
           $
    [120B, 000B],      $
    [132B, 000B],      $
    [018B, 001B],      $
    [010B, 001B],      $
    [002B, 001B],      $
    [002B, 001B],      $
    [132B, 000B],      $
    [248B, 000B],      $
    [192B, 000B],      $
    [128B, 001B],      $
    [128B, 001B],      $
    [000B, 003B],      $
    [000B, 003B],      $
    [000B, 006B],      $
    [000B, 002B],      $
    [000B, 000B]       $
]
```

Then, inspired by some code sent to me by Gwyn Fireman
<FIREMAN@iuegts.gsfc.nasa.gov> (thanks!), I've got this working as a
converter to the necessary intarr(16) format for the cursor:

```
@curs ; to execute the file 'curs', loading the variable 'curs'
cursor = intarr(16) ; cursor must be integer array
for i = 0, 15 do cursor(i) = total(curs(*,i) * [256,1])
device, cursor_image = cursor, cursor_xy = [7,7] ; for hot-spot in
the centre
```

If you are going to use the cursor on a black background, another cursor for the mask will be helpful, and can be edited in the same way, and put into the 'device' command. A hint for the curious: to get a full mask, try this:

```
device, cursor_image = cursor, cursor_xy = [7,7], cursor_mask =  
intarr(16) - 1
```

Sorry for the trouble, and thanks to one and all who replied!

-Dick

Dick Jackson _ djackson@ibd.nrc.ca
Institute for Biodiagnostics _ Winnipeg, Manitoba
National Research Council Canada _ Opinions are mine
"We're all out of hummous, so I gave you extra babagonoush."
