Subject: Re: Widget_List resizing problem
Posted by davidf on Sat, 26 Oct 1996 07:00:00 GMT
View Forum Message <> Reply to Message

Brian Jackel <brian.jackel@uwo.ca> writes:

>   I'm running IDL 4.0.1 under Windows95, and List Widgets are driving me
> crazy. Specifically, they tend to resize themselves (horizontally) after
> every two or three events (clicks or cursor up/down).

I am not sure about this, because I haven't been around Windows 95 enough
to know for sure, but it appears to me that Windows 95 does a lot of
automatic resizing of widgets. Most of the time, this is what I want, but
I can understand how it might be annoying too.

With respect to list widgets, one thing you might try is to make all
the string elements in the list the same length. Then there will be no
need to resize as you scroll through the list. (At least if you are using
a fixed-spaced font, as you claim.)

Here is a little function of mine that takes a string (or string array)
and pads it with blank characters so that it is always a specified
length. It might be just what you are looking for.

Good luck!

David

****

FUNCTION PADSTRING, thisString, length

   ; This function takes the input string and pads it with blanks
   ; to make a string of a specified length. The variable
   ; "thisString" can be a scalar string or an array of strings.
   ; If "thisString" is longer than the specified length, the
   ; string is truncated.

ON_ERROR, 1

   ; Must have one parameter.

IF N_PARAMS() LT 1 THEN $
   MESSAGE, 'Must pass at least one parameter to this function.'

   ; Is first parameter a string?

s = SIZE(thisString)

```
IF s(s(0) + 1) NE 7 THEN $
  MESSAGE, 'First parameter must be a string variable.'

  ; Define default string length if necessary.

IF N_PARAMS() LT 2 THEN length = 20

  ; Create a return value (can be an array).

paddedString = thisString

  ; Do the string padding.

FOR j=0, N_ELEMENTS(thisString)-1 DO BEGIN

    ; Check to be sure thisString is not too long.

  IF N_ELEMENTS(thisString(j)) GT length THEN $
    thisString(j) = STRMID(thisString(j), 0, length)

  padding = STRING(REPLICATE(32B, length))
  STRPUT, padding, thisString(j), 0
  paddedString(j) = padding

ENDFOR

RETURN, paddedString
END
```

****

--
David Fanning, Ph.D.
Phone: 970-221-0438
Fax: 970-221-4728
E-Mail: davidf@fortnet.org

Subject: Re: Widget_List resizing problem
Posted by sterner on Mon, 28 Oct 1996 08:00:00 GMT
View Forum Message <> Reply to Message

davidf@fortnet.org (David Fanning) writes:

 . . .
> With respect to list widgets, one thing you might try is to make all
> the string elements in the list the same length. Then there will be no
> need to resize as you scroll through the list. (At least if you are using

> a fixed-spaced font, as you claim.)

Here is a code fragment to pad all the lines of a string array
to match the longest line. It's not as general as David's
function but it might have its place:

```
padded = string(byte(string_array)>32B)
```

Ray Sterner   sterner@tesla.jhuapl.edu
The Johns Hopkins University   North latitude 39.16 degrees.
Applied Physics Laboratory   West longitude 76.90 degrees.
Laurel, MD 20723-6099
WWW Home page: http://fermi.jhuapl.edu/s1r/people/res/res.html