

1. Check and Correct X Windows Visual Class

1.) Find whether the visual class is correct, i.e., "Pseudocolor."

a. Run a DCL file to define a command:

```
SET DEF DECW$EXAMPLES
SET DEF [.UTILS]
@DECW$DEFINE_UTILS
```

b. Use the command we just defined to display all the XWINDOWS information:

```
XDPYINFO
```

c. Scroll back to near the top of the text displayed. Find something like the following (the hex # may be different):

```
...
default visual id: 0x20    ! This is the id used internally
visual:                ! Following is a table of ids
...
visual id:  0x20
class:      Pseudocolor  ! Good, Pseudocolor being used
depth:      8 planes
```

2.) Correct the visual class if it is wrong.

a. In `SYSS$MANAGER:DECW$PRIVATE_SERVER_SETUP.COM`, find something like the following (the numbers in the table may change):

```
$ ! DECW$SERVER_DEFAULT_VISUAL_CLASS
$ !
$ ! This symbol overrides the default visual class for each head. The      $
$ ! visual classes are numeric and match the definitions in X.H. They are:
$ !
$ !   0 = StaticGray
$ !   1 = GrayScale
$ !   2 = StaticColor
$ !   3 = PseudoColor
$ !   4 = TrueColor
$ !   5 = DirectColor
$ !
$ ! The default for a specific device type is dependent on the hardware
$ ! and is typically PseudoColor for an 8-plane color board, and TrueColor
```

```
$ !   for a 24-plane option.  If you have a monochrome display, you might
$ !   consider changing the default visual class to GrayScale to cause colors
$ !   to be converted to levels of Gray and output on the Green lead.  The
$ !   symbol can have multiple values separated by commas for each head.
$ !   For example:
$ !
$ !       DECW$SERVER_DEFAULT_VISUAL_CLASS == "3,4,0"
$ !
$ !   would specify PseudoColor on head 0, TrueColor on head 1, and StaticGray
$ !   on head 2.
```

- b. Go to the label DO_DEFAULT: by going to the bottom of the file and then doing a Find.
- c. Under DO_DEFAULT, insert a command like the following:

```
DECW$SERVER_DEFAULT_VISUAL_CLASS == "3"
```

...and save the file.

- d. Restart DECwindows:

```
@SYS$STARTUP:DECW$STARTUP RESTART
Y
```