

Written by: Guillermo Ortiz October 1, 1988

Palette Manager Changes in System 6.0.21

the palette with the port but will not cause any change in the color environment.

One important implication of this feature is that `DisposeWindow` (`_DisposWindow`) will not dispose of the associated palette automatically since it may be allocated to other ports or windows. The only exception to this behavior is when an application has used `_GetNewCWindow` to create the window, there is a 'pltt' resource with the same ID as the window, and the application has not called `_GetPalette` for the window.

Color Updates

System version 6.0.2 also introduces a new call, `_NSetPalette`, which complements `_SetPalette`. `_NSetPalette` has the same functionality as `_SetPalette`, but the `CUpdates` parameter has been modified from a Boolean to an Integer as follows:

```
PROCEDURE NSetPalette (dstWindow: WindowPtr; srcPalette: PaletteHandle;
                      nCUpdates: INTEGER);
INLINE $AA95;
```

`_NSetPalette` changes the palette associated with `dstWindow` to `srcPalette`. It also records whether the window wants to receive updates as a result of a change to its color environment. If you want `dstWindow` to be updated whenever its color environment changes, set `nCUpdates` to `pmAllUpdates`. If you are only interested in updates when `dstWindow` is the active window, set `nCUpdates` to `pmFgUpdates`. If you are only interested in updates when `dstWindow` is not the active window, set `nCUpdates` to `pmBkUpdates`.

```
{ NSetPalette Update Constants }
```

```
pmNoUpdates =          $8000;          {no updates}
pmBkUpdates =          $A000;          {background updates only}
pmFgUpdates =          $C000;          {foreground updates only}
pmAllUpdates =         $E000;          {all updates}
```

`_SetPalette` retains its syntax and function:

```
PROCEDURE SetPalette (dstWindow: WindowPtr; srcPalette: PaletteHandle;
                     CUpdates: Boolean);
INLINE $AA95;
```

Note: The trap words for `_NSetPalette` and `_SetPalette` are identical.

CopyPalette

```
PROCEDURE CopyPalette (srcPalette, dstPalette: PaletteHandle;
                      srcEntry, dstEntry, dstLength: INTEGER);
INLINE $AAA1;
```

`_CopyPalette` is a utility procedure that copies `dstLength` entries from the source palette into the destination palette; the copy begins at `srcEntry` and `dstEntry`, respectively. `_CopyPalette` will resize the destination palette when the number of entries after the copy is greater than the original.

`_CopyPalette` does not call `_ActivatePalette`, so the application is free to do a number of palette changes without causing a series of intermediate changes to the color environment; the application should call `_ActivatePalette` after completing all palette changes.

If either of the palette handles are `NIL`, `_CopyPalette` does nothing.