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; File GRAFEQU.TEXT - Macintosh graphics equates file.
;
; Written by Bud Tribble          26-May-81
;
; All system graphic routines include this equate file.
;
; MODIFICATION HISTORY:
;
; BLT  2-Oct-81    For new LisaGraf
; AJH  31-Oct-81   Moved variables down to make room for driver variables
; alo  05-Feb-82   Lisagraf vars moved down to $800 for more system globals
; AJH  06-Jul-82   Added stuff for ObscureCursor
; LAK  26-Jul-82   Added JUPDATEPROC pointer to update event generator
; LAK  05-Sep-82   Added MaxX and MaxY equates
; AJH  15-Sep-82   Modified for new cursor interface
; LAK  16-Oct-82   updated for 512 dots
; AJH  20-Nov-82   added JournalFlag, font manager jump vectors
; AJH  02-Jan-83   added JournalHook
; SC   21-Jan-83   font scaling/coupling stuff
; SC   02-Jun-83   Added 3 vars for jerky cursors
; SC   23-Jan-83   changed JournalHook to journalRef
; AJH  11-Aug-83   added MScaleThresh, MScaleFactor
; LAK  13-Aug-83   changed above two to MScaleTbl, added MScaleOld
; LAK  18-Aug-83   changed above two to CrsrThresh and CrsrQuad.
;                                     moved JCSrTask here from Sysequ.
; LAK  20-Aug-83   Removed CrsrQuad.
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; System Constants
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SCRNROWB      .EQU    640/8
MaxX          .EQU    640
MaxY         .EQU    484
SCRNBYTES     .EQU    SCRNROWB*MaxY

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; System Graphic Jump Vectors - Long pointers to
;                               system routine entry points.

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GRAFBEGIN     .EQU    $800                ;GRAF GLOBAL AREA
;
JHIDECURSOR   .EQU    GRAFBEGIN
JSHOWCURSOR   .EQU    JHIDECURSOR+4
JSHIELDCURSOR .EQU    JSHOWCURSOR+4
JSCRNADDR     .EQU    JSHIELDCURSOR+4
JSCRNSIZE     .EQU    JSCRNADDR+4
JINITCRSR     .EQU    JSCRNSIZE+4
JSETCRSR      .EQU    JINITCRSR+4
JCRSROBSCURE  .EQU    JSETCRSR+4
JUPDATEPROC   .EQU    JCRSROBSCURE+4
LGRAFJUMP     .EQU    JUPDATEPROC+4      ;LAST VECTOR LOCATION

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; System Graphic variables

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GRAFVAR       .EQU    LGRAFJUMP          ;SYSTEM GRAPHIC VARIABLE AREA
SCRNBASE      .EQU    GRAFVAR           ;POINTER TO BASE OF SCREEN
MTEMP         .EQU    SCRNBASE+4       ;POINT, TEMPORARY MOUSE COORDS
RawMouse      .EQU    MTEMP+4          ;raw mouse coordinates (un-jerked)

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MOUSE      .EQU    RawMouse+4      ;POINT, MOUSE COORDS USED BY CURSOR
CRSRPIN    .EQU    MOUSE+4        ;RECT, CURSOR PIN LIMITS
CRSRRECT   .EQU    CRSRPIN+8      ;RECT, CURSOR HIT RECTANGLE
THECRSR    .EQU    CRSRRECT+8     ;68 BYTES. CURSOR DATA, MASK, HOTSPOT
CRSRADDR   .EQU    THECRSR+68     ;LONG, ADDR OF DATA UNDER CURSOR
CRSRSAVE   .EQU    CRSRADDR+4     ;16 LONGS, DATA UNDER CURSOR
CRSRVIS    .EQU    CRSRSAVE+64    ;BYTE, CURSOR VISIBLE FLAG
CRSRBUSY   .EQU    CRSRVIS+1      ;BYTE, CURSOR LOCK-OUT FLAG
CRSRNEW    .EQU    CRSRBUSY+1     ;BYTE, CURSOR CHANGED FLAG
CRSRCOUPLE .EQU    CRSRNEW+1      ;BYTE, CURSOR coupled flag
CRSRSTATE  .EQU    CRSRCOUPLE+1   ;WORD, FOR NESTED CURSOR CALLS
CRSRROBSCURE .EQU    CRSRSTATE+2  ;byte semaphore for obscure cursor
CRSRSCALE  .EQU    CRSRROBSCURE+1 ;byte cursor scale flag

MouseMask  .EQU    CRSRSCALE+3    ; V-H mask for ANDing with mouse coordinates
MouseOffset .EQU    MouseMask+4   ; V-H offset for adding after anding above

JournalFlag .EQU    MouseOffset+4 ;flag for journaling
JSwapFont  .EQU    JournalFlag+2  ;jump entry for FMswapFont
JFontInfo  .EQU    JSwapFont+4    ;jump entry for FMFontMetrics
JournalRef  .EQU    JFontInfo+4   ;hook for journaling

CrsrThresh .EQU    JournalRef+4    ;threshold for mouse scaling
JCrsrTask  .EQU    CrsrThresh+2   ;address of CrsrVBLTask

; NOTE -- JCrsrTask and CrsrThresh must be right before GrafEnd!

GRAFEND    .EQU    JCrsrTask+4    ;end of graphics globals

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