Applesoft: Internals--High resolution graphics routines

NOTE: Regardless of which screen is being displayed, HPAG (location $E6)
determines onto which screen the software draws graphics. ($20 for HGR, $40
for HGR2)

```
HGR2              F3D8
Initialize and clear page 2 High-Res.


HGR               F3E2
Initialize and clear page 1 High-Res.


HCLR              F3F2
Clear the current High-Res screen to black.


BKGND             F3F6
Clear the current High-Res screen to last plotted color.


HPOSN             F411
Positions the High-Res cursor without plotting.  HPAG determines which page
the cursor is pointed at.
On entry:
Horizontal = Y,X
  Vertical = A


HPLOT             F457
Call HPOSN then try to plot a dot at the High-Res cursor's position.  The dot
may not be plotted if plotting non-white at a complementary color X
coordinate.


HLIN              F53A
Draws a line from the last plotted point or line destination to the coordinate
in the 6502 registers.
On entry:
Horizontal = X,A
Vertical   = Y


HFIND             F5CB
Convert the High-Res cursor's position to X-Y coordinates.  HFIND allows the
user to tell where on the screen the a shape table left the cursor.
On exit:
$E0 = horizontal lsb
$E1 = horizontal msb
$E2 = vertical
```

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DRAW            F601
Draw the shape pointed to by Y,X using the current HCOLOR starting at the
current High-Res cursor position.  On entry A = rotation factor.

XDRAW           F65D
Draw the shape pointed to by Y,X by starting at the current High-Res cursor
position inverting the existing color of the dots the shape draws over.  On
entry A = rotation factor.

SETHCOL         F6EC
Set the High-Res color to X.  X must be less than 8.

SHLOAD          F775
Loads a shape table into memory from tape above MEMSIZ (HIMEM) and sets the
pointer at $E8.
Apple Tech Notes


Keywords:  <None>

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