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Macintosh LC: Display Scale and Monitor Adjustment

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TOPIC -----

On my Macintosh LC's 12-inch RGB monitor, Microsoft Word 3.0 and WriteNow rulers are expanded by 0.25 inches -- that is, one inch as shown on the screen is really 1 1/4 inches.

Is this a function of the monitor or video I/F? Would a 13-inch monitor give a truer scale?

DISCUSSION -----

This problem is related to the particular monitor's specifications as compared with those of the application. Most Macintosh applications are designed around 72 dpi (dots per inch) because QuickDraw assumes this value regardless of the display system being used.

A small error factor is introduced whenever a monitor operates at a value other than 72 dpi. The 12-inch color monitor operates at 64 dpi, while the HiRes RGB monitor operates at 69 dpi. Thus, a slight error is inherent because of the different dpi ratings between the software and the display device.

However, a much greater error can occur if the monitor being used is not set to the raster width specified in the technical procedures. If the raster is set too wide or too narrow, the dpi changes as a factor of the compression or expansion of the raster.

A common mistake made when the HiRes RGB monitor is connected to a Macintosh LC is neglecting to readjust the monitor width control, which compensates for the Macintosh LC's slightly different timing.

Proper adjustment of the width control, when the HiRes RGB monitor is used with the Macintosh LC, is found in the technical procedures.

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