Performance Timings

ColorView Version 0.97
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This document contains the results of timing tests conducted using ColorView version 0.97 on four different computer systems. The JPEG file used for these tests is PALACE.JPG, which is included with ColorView 0.97. The times are in minutes and seconds, and indicate the time from selecting the file to a complete display of the image.

There are two columns in each table, representing the times measured in ColorView '386 and ColorView '286 respectively. Each column contains two numbers: one obtained by running ColorView without the Conserve Memory option, and the other with the Conserve Memory option enabled. 'Aborted' indicates that the system was unable to allocate enough memory to process the image using the selected options.

System: **80486, 50Mhz, Dell**
RAM: **12 Mbytes**
SVGA: **Sigma Legend, 1MB**
Swap file size: **10 Mbytes**

386 Enhanced Mode:

	CView386 / Conserve Memory	CView286 / Conserve Memory
Fast Quant	8 / 10	13 / 15
Heckbert Quant	10 / 15	14 / 23
Fast Quant/Dither	11 / 19	15 / 23
Heckbert Quant/Dither	11 / 20	16 / 24

System: **80386, 33Mhz, Compaq**
RAM: **6 Mbytes**
SVGA: **Sigma Legend, 1MB**
Swap file size: **10 Mbytes**

386 Enhanced Mode:

	CView386 / Conserve Memory	CView286 / Conserve Memory
Fast Quant	26 / 30	40 / 43
Heckbert	31 / 52	45 / 1 min. 04 sec.
Fast/Dither	34 / 55	47 / 1 min. 07 sec.
Heckbert/Dither	34 / 53	48 / 1 min. 07 sec.

System: 80386, 20 Mhz, PC Brand
RAM: 2 MBytes
SVGA: Chips & Technologies, 512K
Swap file size: 4 Megs

386 Enhanced Mode:

	CView386/Conserve Memory	CView286/Conserve Memory
Fast Quant	0 min. 59 sec. / 1 min. 01 sec.	1 min. 19 sec. / 1 min. 26 sec.
Heckbert	1 min. 37 sec. / 1 min. 16 sec.	1 min. 49 sec. / 1 min. 43 sec.
Fast Quant/Dither	1 min. 39 sec, / 1 min. 28 sec.	1 min. 59 sec. / 1 min. 50 sec.
Heckbert/Dither	1 min. 40 sec. / 1 min. 24 sec	1 min. 59 sec. / 1 min. 50 sec.

386 Standard Mode:

	CView386/Conserve Memory	CView286/Conserve Memory
Fast Quant	0 min. 58 sec. / 1 min. 04 sec.	1 min. 19 sec. / 1 min. 23 sec.
Heckbert	Aborted / 1 min. 18 sec.	Aborted / 1 min. 39 sec.
Fast Quant/Dither	Aborted / 1 min. 29 sec.	Aborted / 1 min. 51 sec.
Heckbert/Dither	Aborted / 1 min. 29 sec.	Aborted / 1 min. 47 sec.

System: 80386, 16 Mhz, Dell
RAM: 6 MBytes
SVGA: Everex EV-678 Viewpoint, 512K
Swap file size: 12 Megs

386 Enhanced Mode

	CView386 / Conserve Memory	CView286/Conserve Memory
Fast Quant	0 min. 57 sec. / 1 min. 17 sec.	1 min. 24 sec. / 1 min. 46 sec.
Heckbert	1 min. 07 sec. / 2 min. 22 sec.	1 min. 35 sec. / 2 min. 43 sec.
Fast Quant/Dither	1 min. 12 sec. / 2 min. 41 sec.	1 min. 40 sec. / 3 min. 10 sec.
Heckbert/Dither	1 min. 12 sec. / 2 min. 41 sec.	1 min. 44 sec. / 3 min. 10 sec.

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Timings: ColorView 0.972