

Benchmark Results

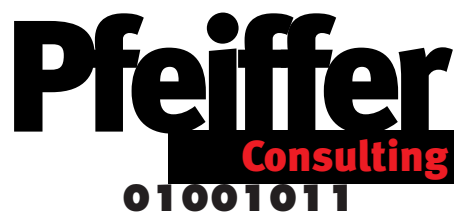
Design & Publishing Workflow Benchmark

**Performance and productivity comparison of the Power Mac G4
and PowerBook G4 with Power Mac G3 systems.**

Client: Apple Computer

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Section:	
For further information contact: research@pfeifferreport.com	May 21, 2001

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ABOUT THE BENCHMARK PROJECT

Section: About The Report	
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1 Hardware Overview

1.1 Hardware configurations tested:

- 400-Mhz Power Mac G3
- 500-Mhz PowerBook G4
- 733-Mhz Power Mac G4

(please refer to Reference section for complete system profiles of benchmarked systems)

1.2 System software:

- MacOS 8.5.1 (400-Mhz Power Mac G3)
- MAC OS 9.1 (733-Mhz Power Mac G4 and 500-Mhz PowerBook G4)

1.3 Memory settings:

- Virtual memory: **ON** (built-in memory + 1 MB)
- File sharing: **OFF**
- No secondary volumes -hard-drives or partitions or CD-ROM, mounted
- Basic set of extensions and control panels activated at system install - refer to Reference section for details)

1.4 Display settings:


- Screen resolution: 1280x1024
- Bit-depth: millions of colors
- Adobe Type Manager: activated -1MB cache; font smoothing activated; precision character positioning activated.

2 Methodology - Overview

The platform evolution benchmarks compare the performance and productivity of the top-of-the-line 733-Mhz Power Mac G4 and 500-Mhz PowerBook G4 with that of the 400-Mhz Power Mac G3, introduced in early 1999.

Productivity measures were conducted using a complete design assignment: the creation of a double-page spread for a magazine. The benchmark covered the entire design process, from creation of the initial page layout to the final design, including the necessary image manipulation in Adobe Photoshop and Adobe Illustrator, as well as backing up project data, and printing composite proofs on a networked color printer.

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3 Configuration - Overview


- All of the platform evolution benchmarks were performed on the **standard configuration, top-of-the-line model** as shipped by Apple at the time of introduction, including system software, memory and mass storage.
- Memory configurations for performance benchmarks were set to the optimal values for the hardware configuration.
- Memory configurations for workflow benchmarks were set to values which allowed easy switching between applications.
- All systems were completely re-initialized prior to testing. All benchmarks were run on a standard, unmodified installation of MacOS (MacOS 8.5 for the Power Mac G3 and MacOS 9.1 for the Power Mac G4 and PowerBook G4). The only addition to the system software was the use of Adobe Type Manager for font-management.

4 Methodology - Discussion

These benchmarks are clearly defined as system level **platform evolution benchmarks**: their aim was to provide reliable data on each system in its standard configuration, the way it was conceived and shipped by Apple, rather than to establish pure performance comparison of a processor architecture, which would have required the use of identical mass storage, memory configuration and system software.

In other words, **what was tested was “out of the box” performance**, as opposed to the optimal performance which could be achieved from the processor architecture by equipping it with the fastest possible mass storage device and the optimal amount of memory. It is important to keep this fact in mind when analyzing the benchmark results.

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5 About the performance benchmarks

5.1 General remarks - System Setup


The performance benchmarks were conceived to measure the performance increase in system operations as well as in some of the more power-hungry applications which are used in the design and publishing workflow, namely Adobe Photoshop and Adobe Illustrator.

- All tests were performed using the standard system installation and configuration.
- All systems were completely re-initialized prior to tests, using the default values for installation.
- All hard drives were re-formatted using a single partition.
- All software was installed from scratch, using default settings.
- To optimize disk performance across the board, all systems were defragmented and optimized using Norton Speed Disk 6 at the end of the complete installation process (system software, application software, support files for the benchmarks)
- The only software installed on the systems were the applications necessary for the benchmarks, as well as Adobe Type Manager.
- No peripherals were connected to the systems during performance benchmarks.

While all benchmarks were executed using the standard system installation, certain settings were adjusted to insure a consistent environment as follows:

- Apple Talk was deactivated for all the performance benchmarks.
- Screen resolution was set to 1280x1024 with millions of colors for all systems except the PowerBook G4, which was set to 1152x768 with millions of colors.
- Virtual Memory was set to be 1MB more than the physical memory.
- All other settings were left at their default values.

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6 Benchmark Basics

All application software was used in its most recent officially available release: Adobe Photoshop 6.0.1, Adobe Illustrator 9.0.2, and QuarkXPress 4.1.1

All performance benchmarks were conducted in an identical fashion, and were executed several times to insure consistent, reliable results. In Photoshop 6.0.1, the undo buffer was purged after every individual benchmark.

7 Performance Benchmarks: Details

7.1 Performance Benchmarks: System Operations

Operations which were benchmarked include: application launch, opening and saving files as well as local file copy operations, executed both on a large single file (a 70 MB Adobe Photoshop document) as well as a 20 MB folder containing 4,180 small files in several sub-folders.


7.2 Performance Benchmarks: Adobe Photoshop

Adobe Photoshop benchmarks consisted of a variety of common operations, drawing on different aspects of computer performance. All tests were performed on files of 3 different sizes: 5 MB, 30 MB and 70 MB. After each test, the undo buffer was purged.

Functions tested:

- Lighting Effect (default values)
- Unsharp Masking
- Gaussian Blur (90 pixels)
- Rotate Image (15°CW)
- Resample Image (bicubic)
 - 5 MB file to 30MB
 - 30MB file to 70MB
 - 70MB file to 100MB
- RGB-CMYK conversion

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8 Performance Benchmarks: Adobe Illustrator

Adobe Illustrator benchmarks consisted of five common operation, ranging from rotation of a complex drawing to vector effects filters, as well as rendering operation such as Drop Shadow.

Functions tested:

- Stroke complex drawing (4 pt.)
- Roughen filter (default values)
- Drop Shadow (default values)
- Twirl filter (default values)
- Rotate complex drawing (15° CW)

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9 Productivity Benchmarks

9.1 Overview

The design & publishing workflow benchmark was defined as a **complete publishing assignment**, the creation of an elaborate double page spread for a magazine. Every aspect of this assignment, from the creation of the initial page layout to the final design, was measured.

Operations covered include: creating the basic layout in QuarkXPress, importing images, placing and formatting text, switching to Adobe Photoshop to adapt an image by adding a gradient effect, saving the file as a multilayered Adobe Photoshop document, performing common pre-press operations (Resample, Unsharp Masking, Color Separation), creation of an Illustrator-based title effect, importing and placing revised files, printing composite proofs and finally, backing up the folder of project data.

No scripting was used in the execution of the benchmark in order to properly represent normal working conditions.

9.2 Phases of the productivity benchmark

Phase 1: Create basic layout

- Launch QuarkXPress
- Create basic layout grid following a supplied sketch
- Create text and picture frames


Phase 2: Place graphics and text

- Import text and pictures into the frames
- Resize pictures to fit frame
- Format text

Phase 3: Adapt pictures for design

- Launch Photoshop
- Open background image for spread
- Create gradient effect
- Save as Photoshop file (keep layers)
- Flatten image
- Execute basic pre-press operations (resample to exact size, unsharp masking, color separation)
- Save as Tiff file

Section: Productivity Benchmarks	
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Phase 4: Fine tune layout

- Import modified picture,
- Fine tune positioning

Phase 5: Create title and picture effect

- Launch Illustrator
- Create title effect
- Save as EPS file
- Import into layout and position

Phase 6: Finalize design

- Print composite proofs on a networked color printer
(note: only the time for creating the spool file was measured)
- Back up the complete project folder

9.3 About the execution of the productivity benchmark

Every phase of the benchmark was defined as **several sets of clearly defined, repeatable steps**. These steps were then executed in a strictly identical way. Each set of steps was executed five times; only the most representative result was preserved.

The overall test results are calculated from **cumulating the measures obtained for each individual set of step**

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RESULTS AND CHARTS: SYSTEM BENCHMARKS

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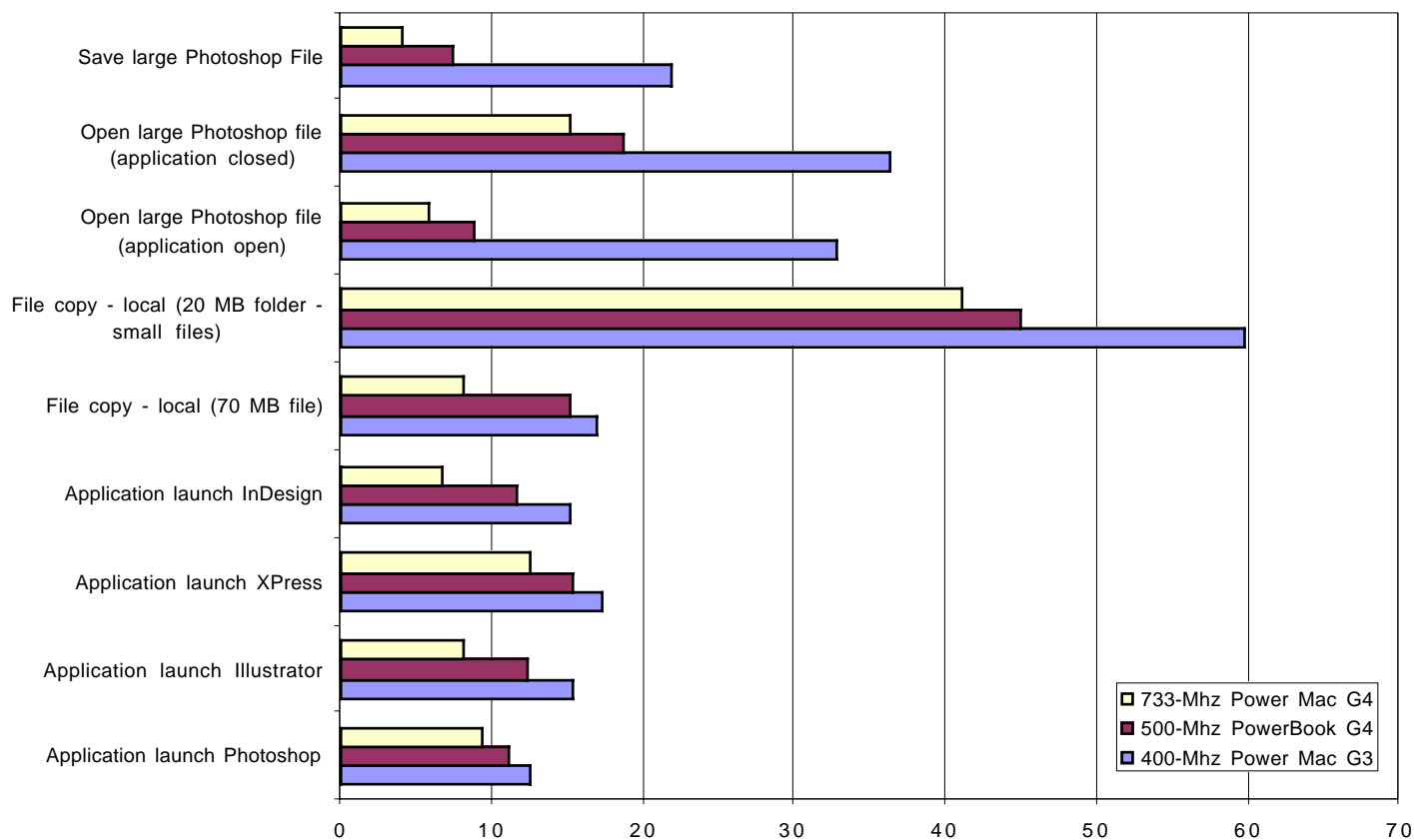
System Performance Benchmarks

(Time in seconds - shorter is better)

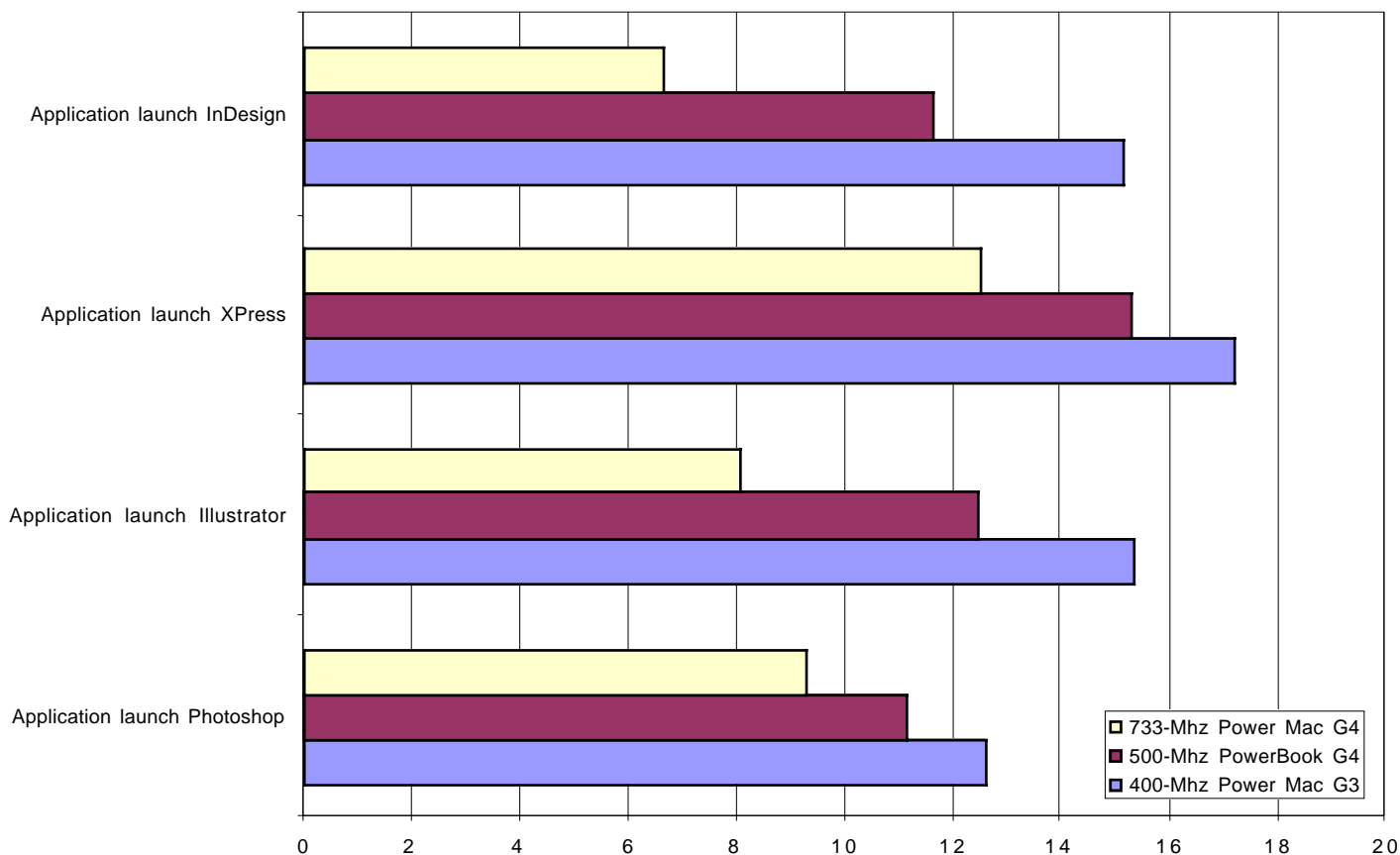
System Performance Benchmarks	400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Application launch Photoshop	12,56	11,14	9,25
Application launch Illustrator	15,36	12,45	8,05
Application launch XPress	17,20	15,30	12,51
Application launch InDesign	15,16	11,63	6,63
File copy - local (70 MB file)	16,85	15,12	7,98
File copy - local (20 MB folder - small files)	59,74	44,98	41,02
Open large Photoshop file (application open)	32,79	8,77	5,83
Open large Photoshop file (application closed)	36,16	18,56	15,06
Save large Photoshop File	21,87	7,28	4,06
Total	2 2 8	1 4 5	1 1 0

Total time rounded to nearest second

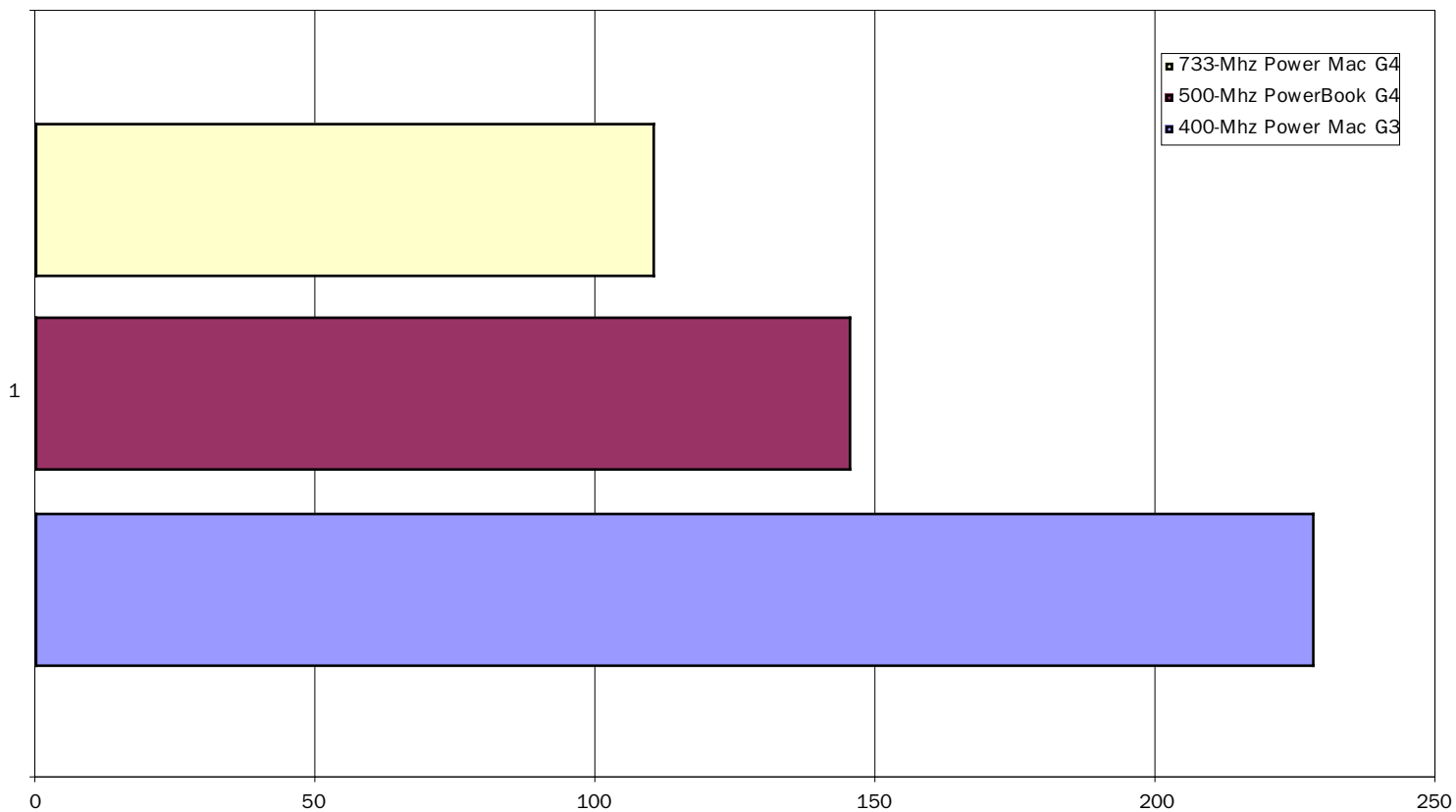
System Performance 1
(Time in seconds - shorter is better)



System Performance 2 - Application Launch
(Time in seconds - shorter is better)



System Performance - Total Time
(Time in seconds - shorter is better)



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APPLICATION BENCHMARKS

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Adobe Illustrator Performance Benchmarks

(Time in seconds - shorter is better)

Adobe Illustrator Performance Benchmarks	400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Stroke	62,00	50,24	39,11
Roughen	47,18	38,27	31,44
Drop Shadow	12,89	10,38	8,38
Twirl	46,03	30,26	25,40
Rotate	14,02	7,41	5,31
Total	182	137	110

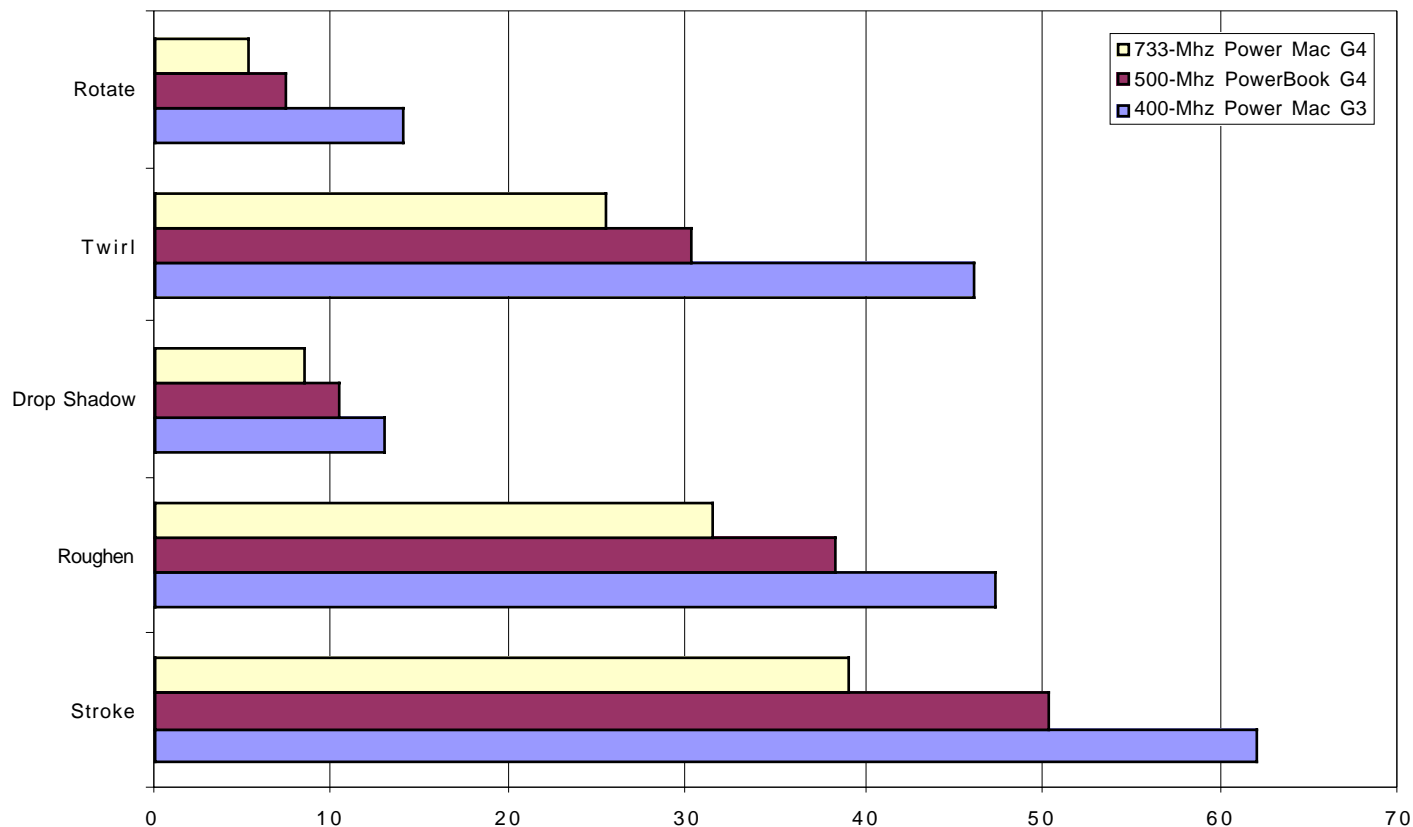
Total time rounded to nearest second

Section: Results and Charts: Application Benchmarks

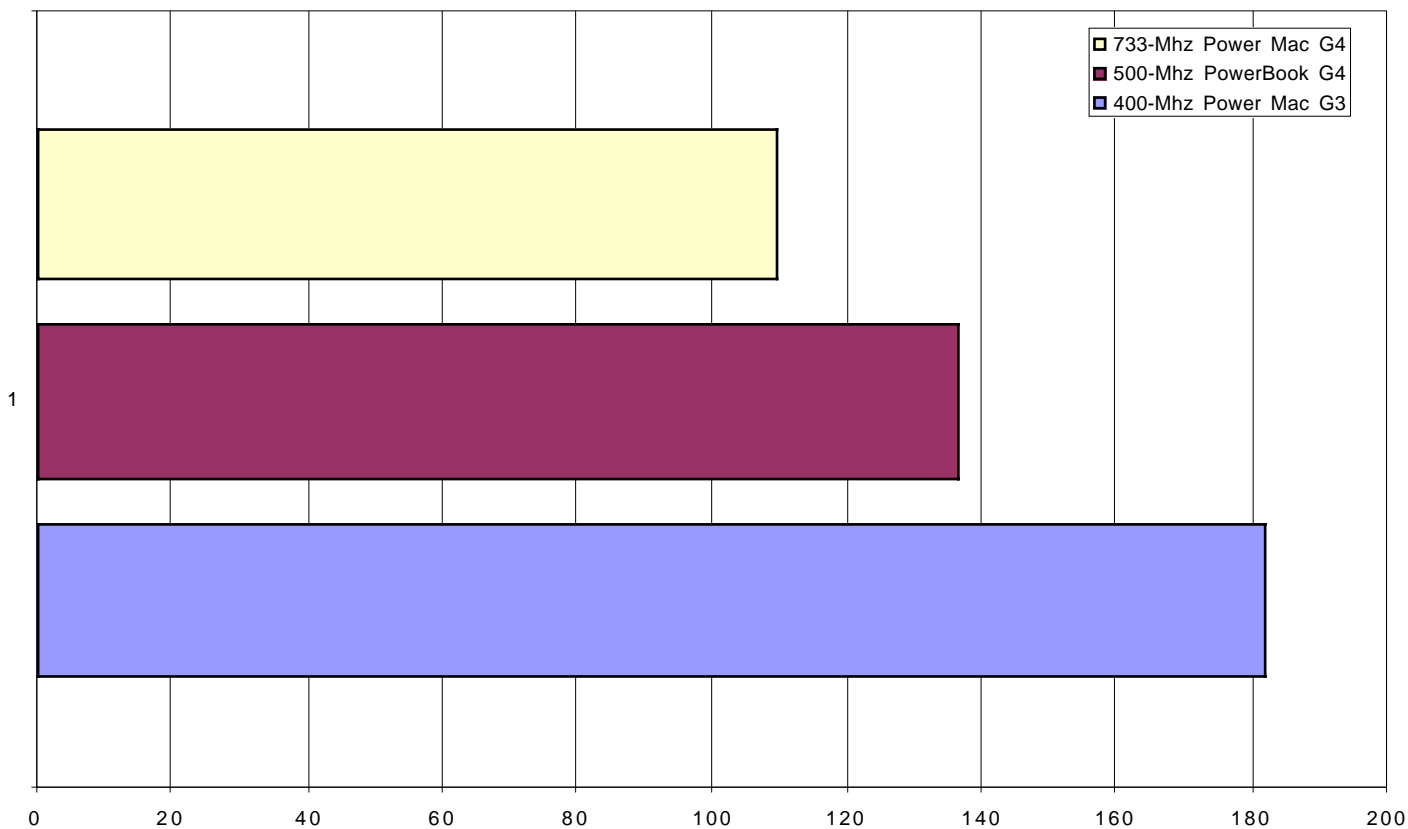
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Adobe Illustrator Performance - All
(Time in seconds - shorter is better)



Adobe Illustrator Performance - Total Time
(Time in seconds - shorter is better)





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Adobe Photoshop Performance Benchmarks (5 MB File)

(Time in seconds - shorter is better)

Adobe Photoshop Performance (5MB file)	400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Lighting Effect	3,45	2,03	1,80
Unsharp Masking	4,67	2,27	1,85
Gaussian Blur	4,03	1,73	1,12
Rotate Image	2,57	1,95	1,07
Resample Image	4,88	3,86	1,12
CMYK	3,62	4,20	2,13
Total	23	16	9

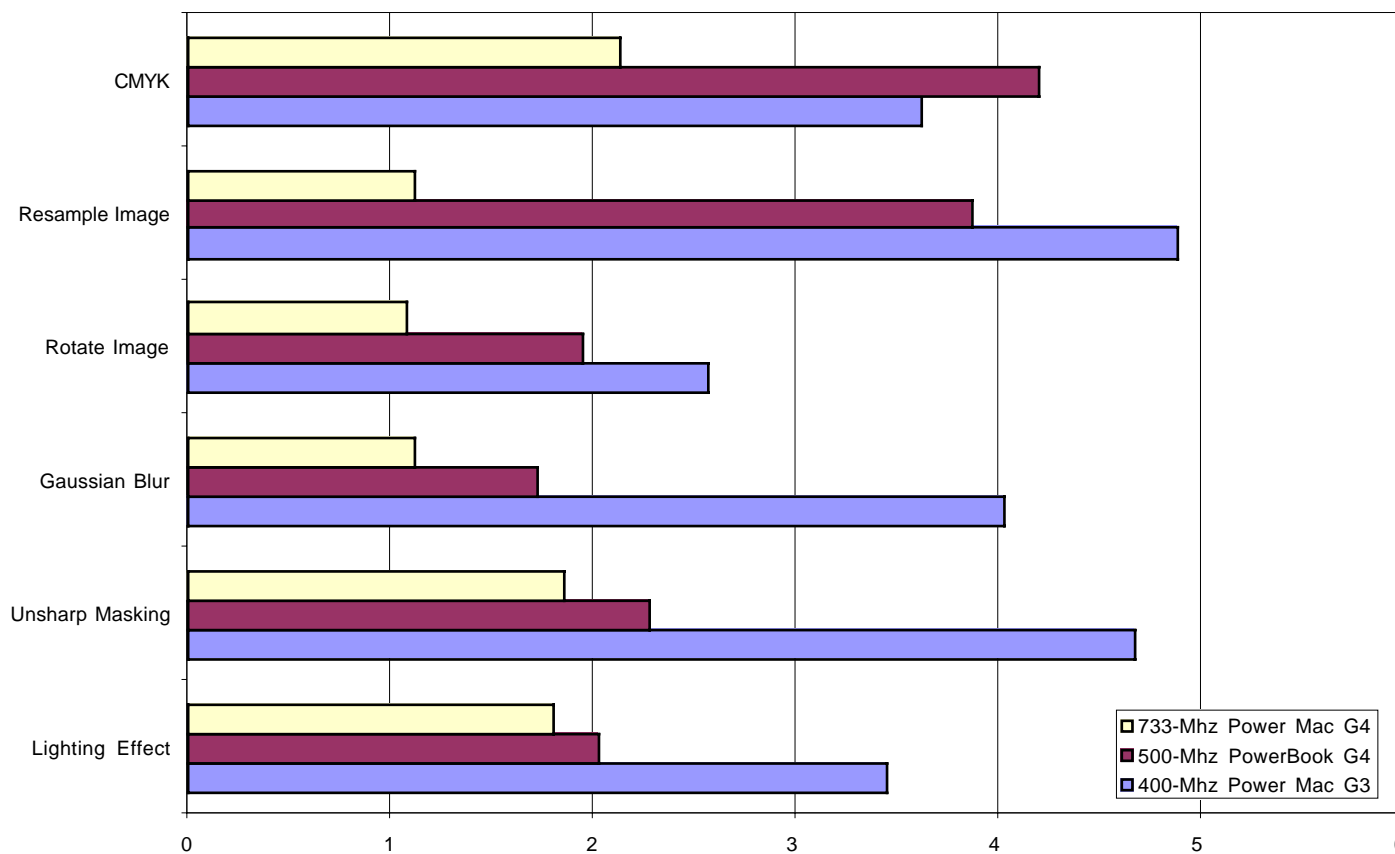
Total time rounded to nearest second

Section: Results and Charts: Application Benchmarks

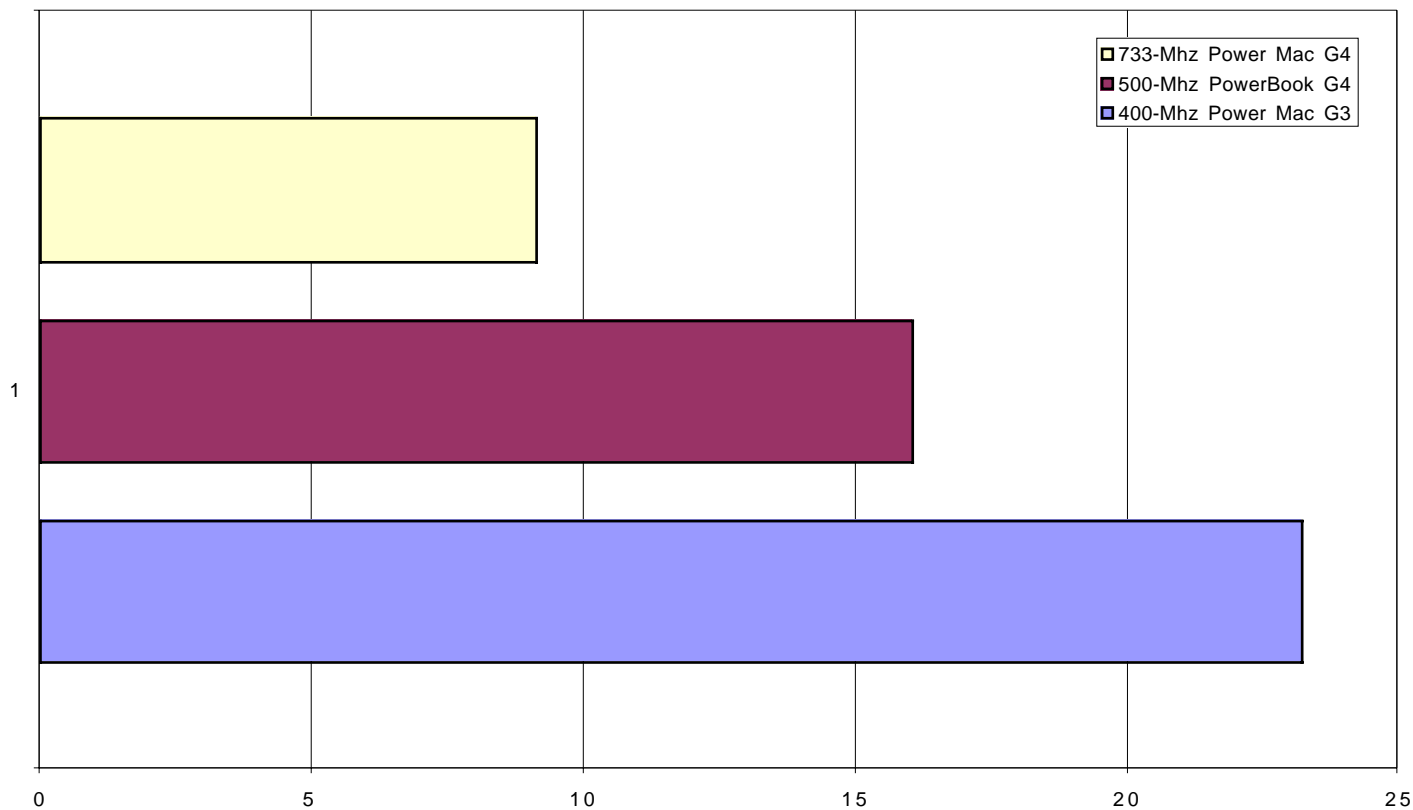
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Adobe Photoshop Performance - 5 MB File
(Time in seconds - shorter is better)



Adobe Photoshop Performance - 5 MB File - Total Time
(Time in seconds - shorter is better)



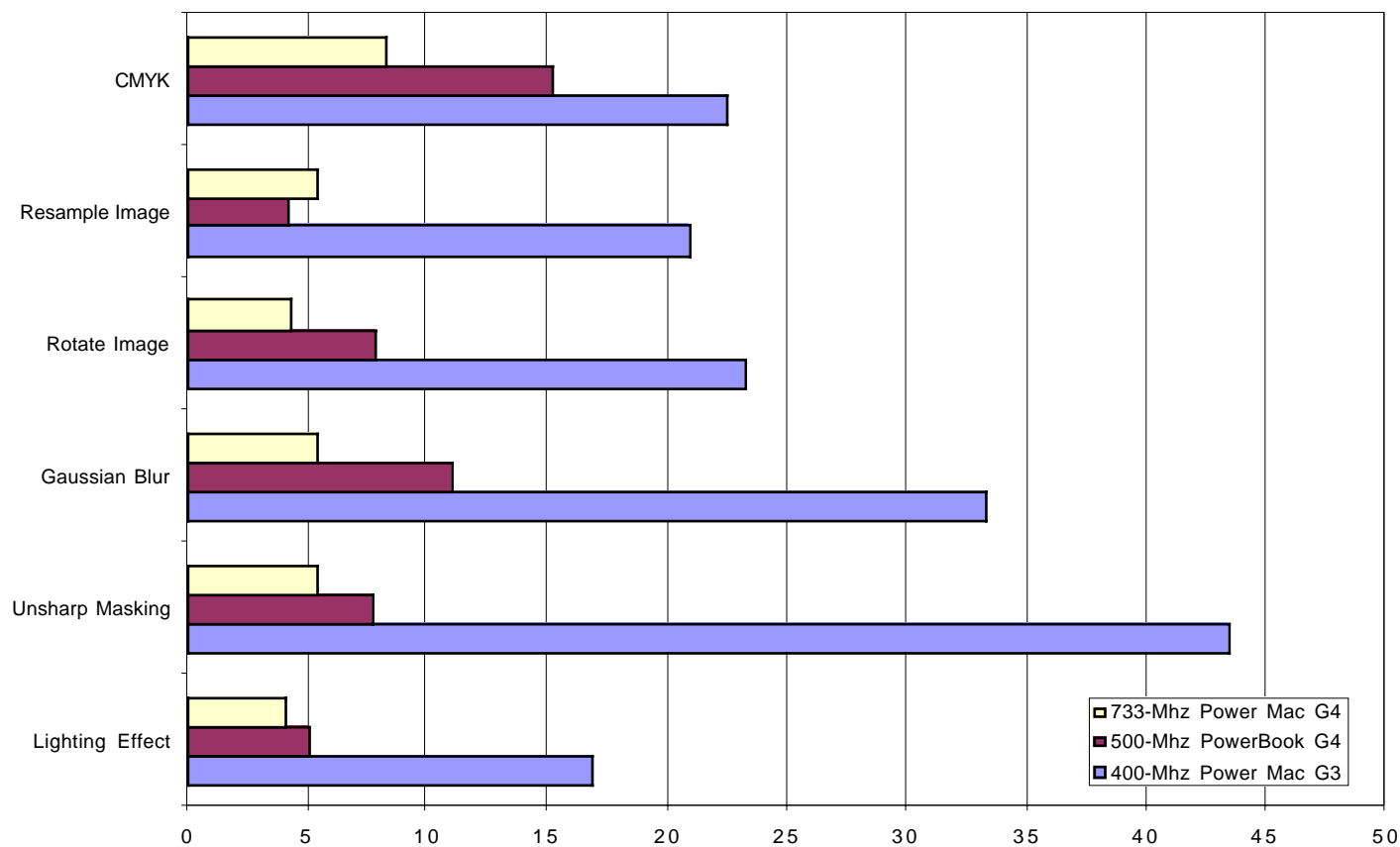
Adobe Photoshop Performance Benchmarks (30 MB File)

(Time in seconds - shorter is better)

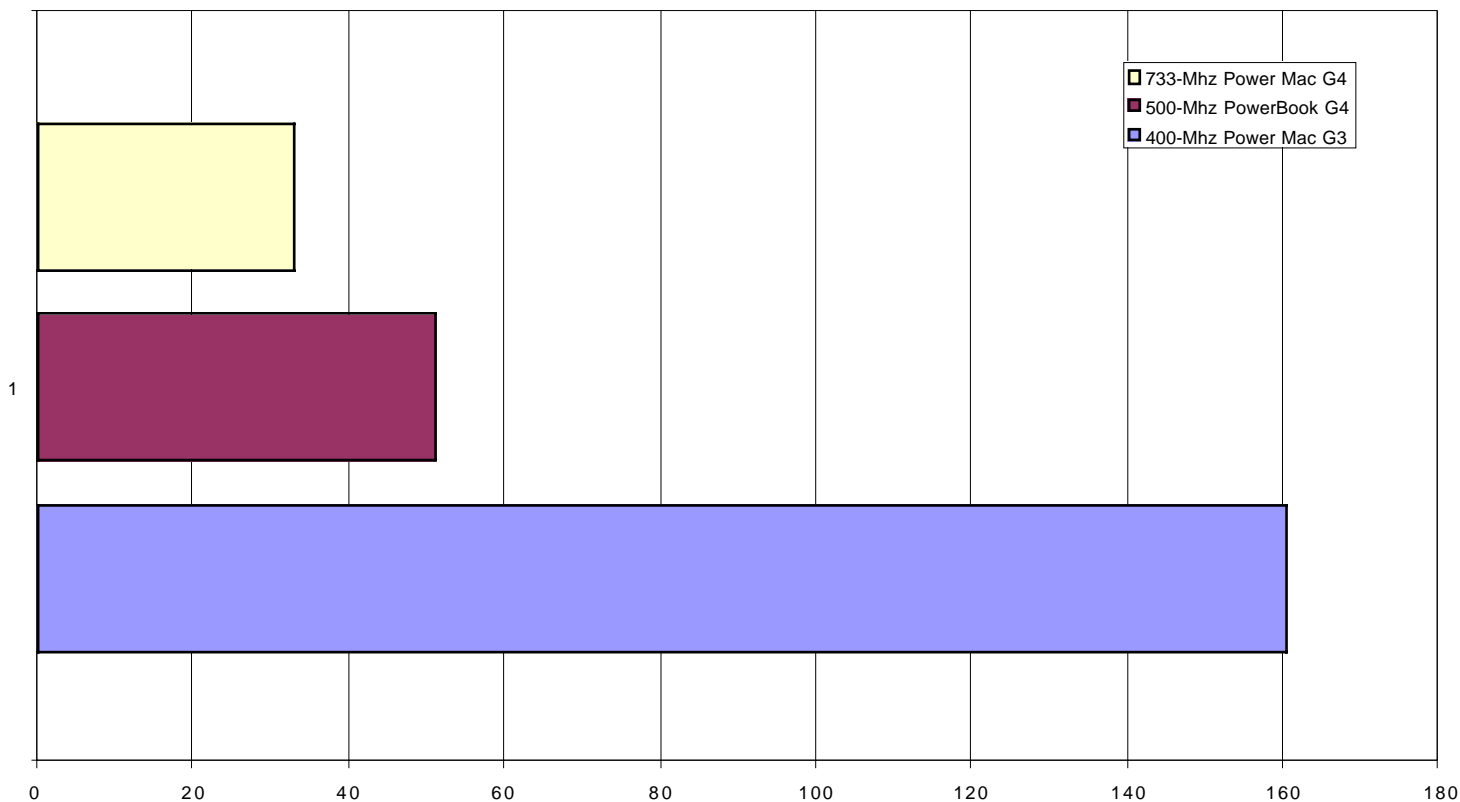
Adobe Photoshop Performance (30 MB file)	400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Lighting Effect	16,84	5,05	4,09
Unsharp Masking	43,49	7,69	5,38
Gaussian Blur	33,27	11,04	5,38
Rotate Image	23,25	7,86	4,36
Resample Image	20,95	4,18	5,34
CMYK	22,49	15,20	8,29
Total	160	51	33

Total time rounded to nearest second

Adobe Photoshop Performance - 30 MB File
(Time in seconds - shorter is better)



Adobe Photoshop Performance - 30 MB File - Total Time
(Time in seconds - shorter is better)



Section: Results and Charts: Application Benchmarks

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Adobe Photoshop Performance Benchmarks (70 MB File)

(Time in seconds - shorter is better)

Adobe Photoshop Performance (70 MB file)	400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Lighting Effect	104,11	15,27	8,88
Unsharp Masking	93,54	19,23	15,31
Gaussian Blur	79,32	17,67	13,09
Rotate Image	61,31	23,76	16,18
Resample Image	44,97	15,38	8,40
CMYK	97,89	33,38	18,32
Total	481	125	80

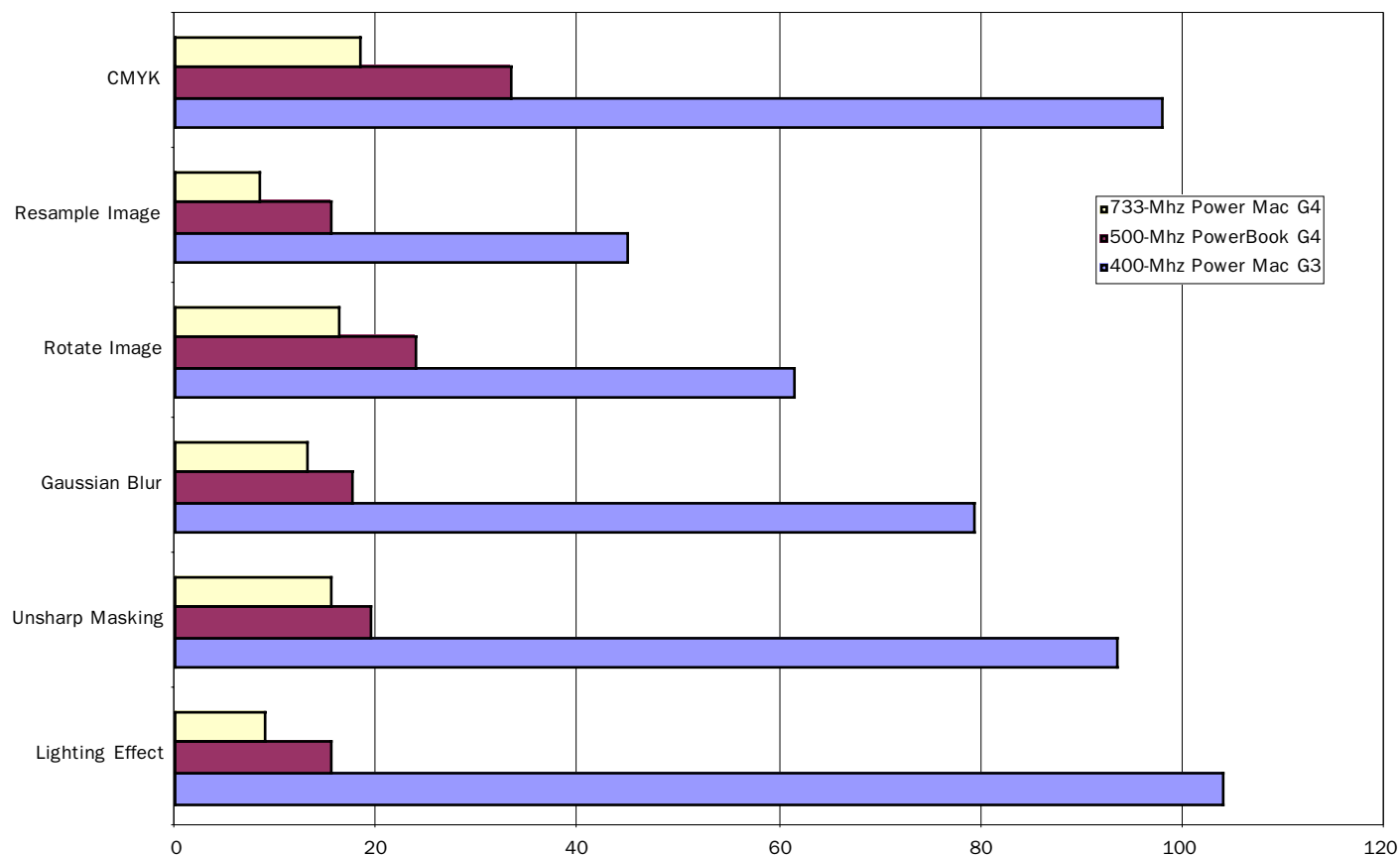
Total time rounded to nearest second

Section: Results and Charts: Application Benchmarks

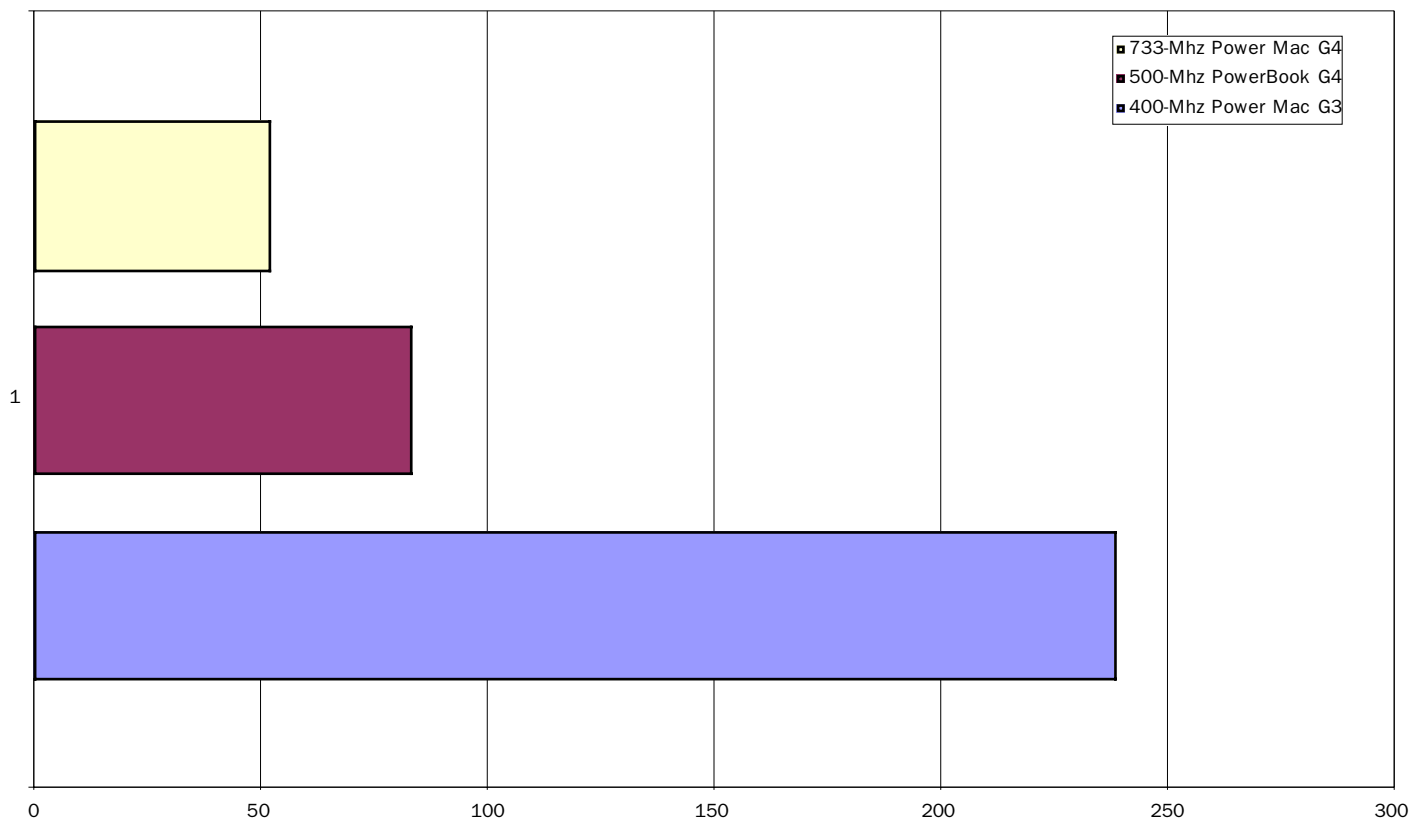
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Adobe Photoshop Performance - 70 MB File
(Time in seconds - shorter is better)



Adobe Photoshop Performance - 70 MB File - Total Time
(Time in seconds - shorter is better)





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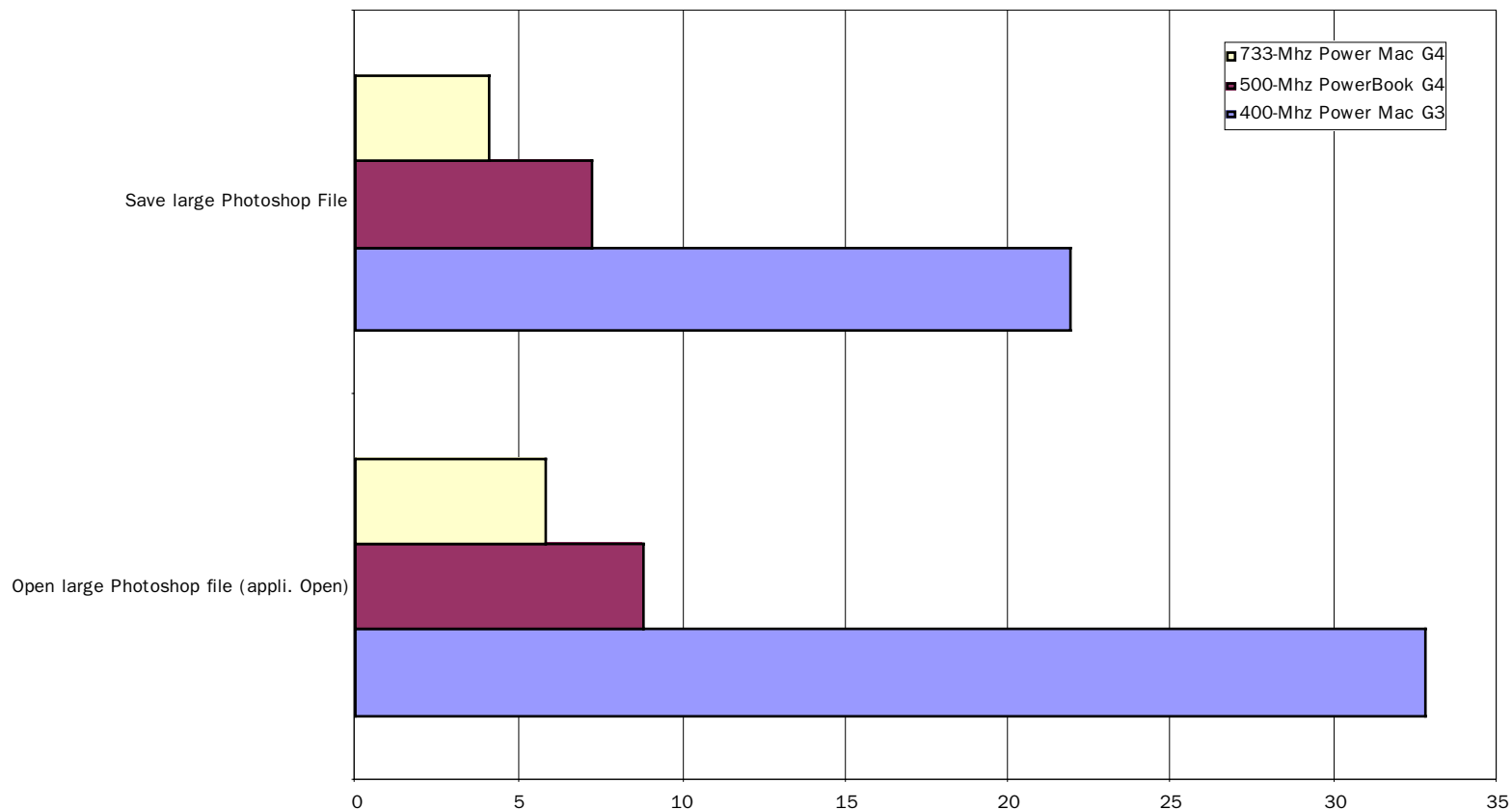
Adobe Photoshop Performance Benchmarks (Open/Save)

(Time in seconds - shorter is better)

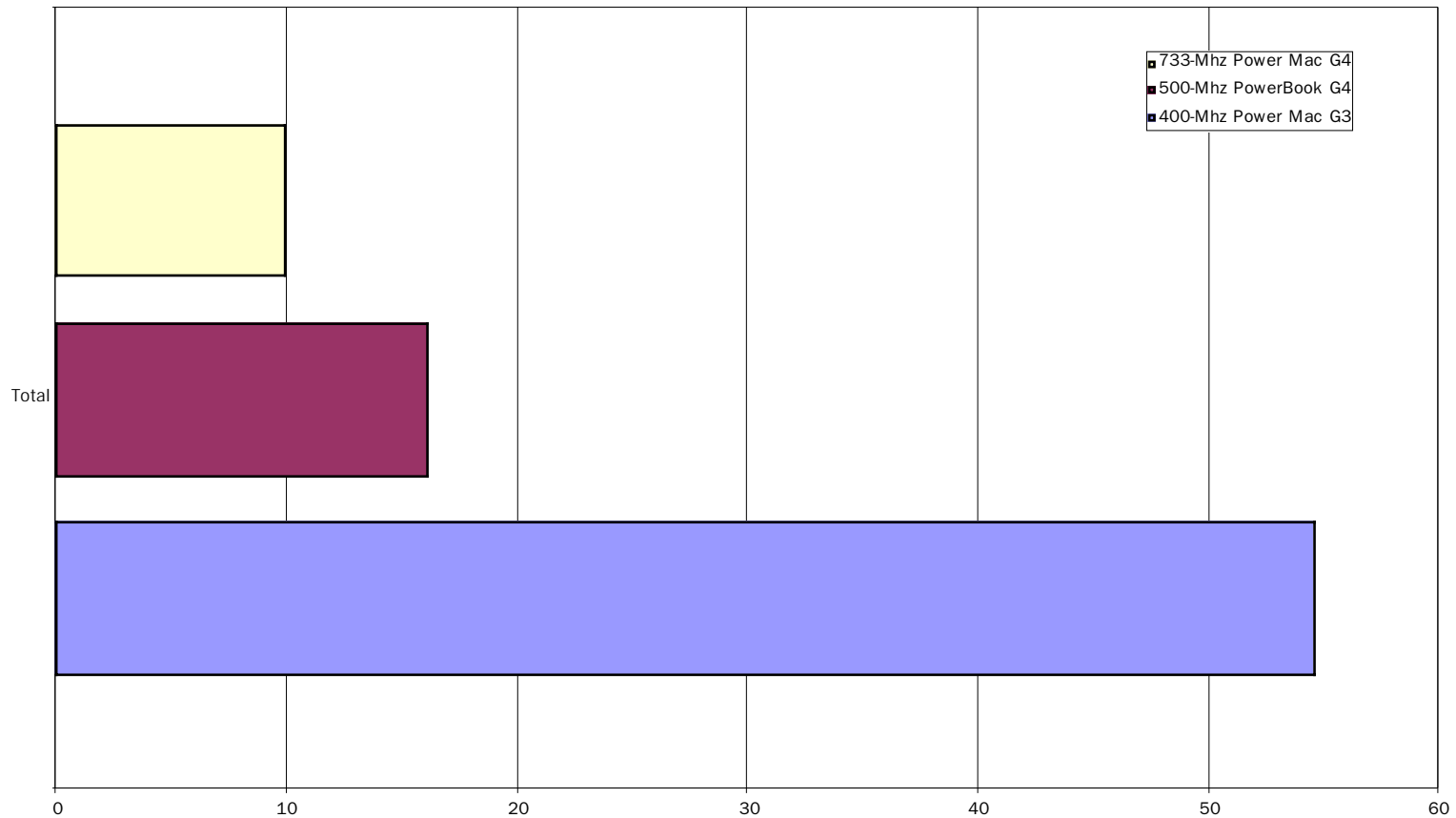
Adobe Photoshop Open/Save	400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Open large Photoshop file (appli. Open)	32,79	8,77	5,83
Save large Photoshop File	21,87	7,28	4,06
Total	55	16	10

Total time rounded to nearest second

**Adobe Photoshop Performance - Open/Save Large File
(Time in seconds - shorter is better)**



Adobe Photoshop Open/Save Large File - Total Time
(Time in seconds - shorter is better)





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Adobe Photoshop Performance Benchmarks - Cumulated Values

(Time in seconds - shorter is better)

Adobe Photoshop Overall 1	400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Photoshop Performance (5MB file)	23,22	16,04	9,09
Photoshop Performance (30 MB file)	160,29	51,02	32,84
Photoshop Performance (70 MB file)	481,14	124,69	80,18
Photoshop Performance (open/save)	54,66	16,05	9,89
Total	719	208	132

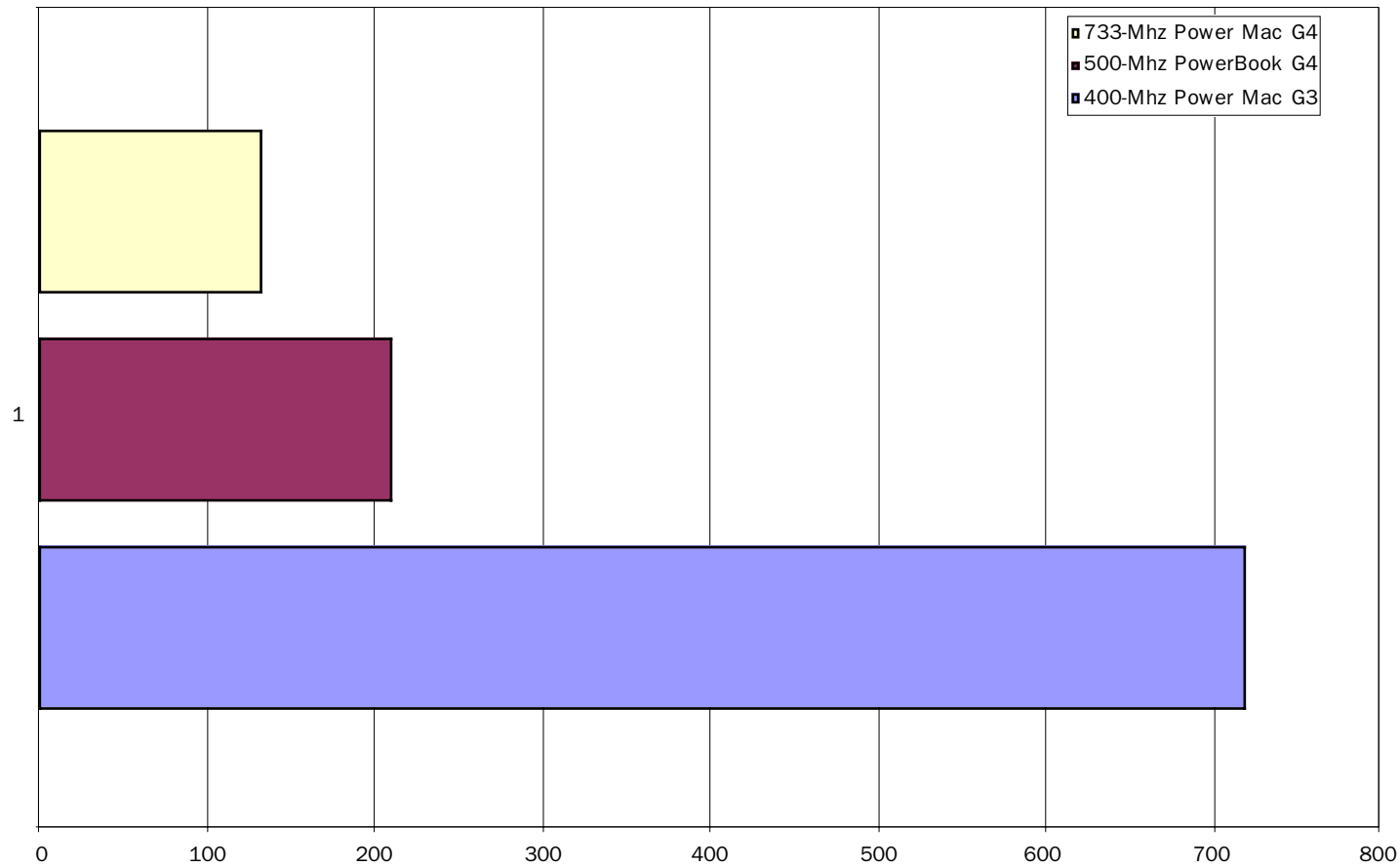
Total time rounded to nearest second

Section: Results and Charts: Application Benchmarks

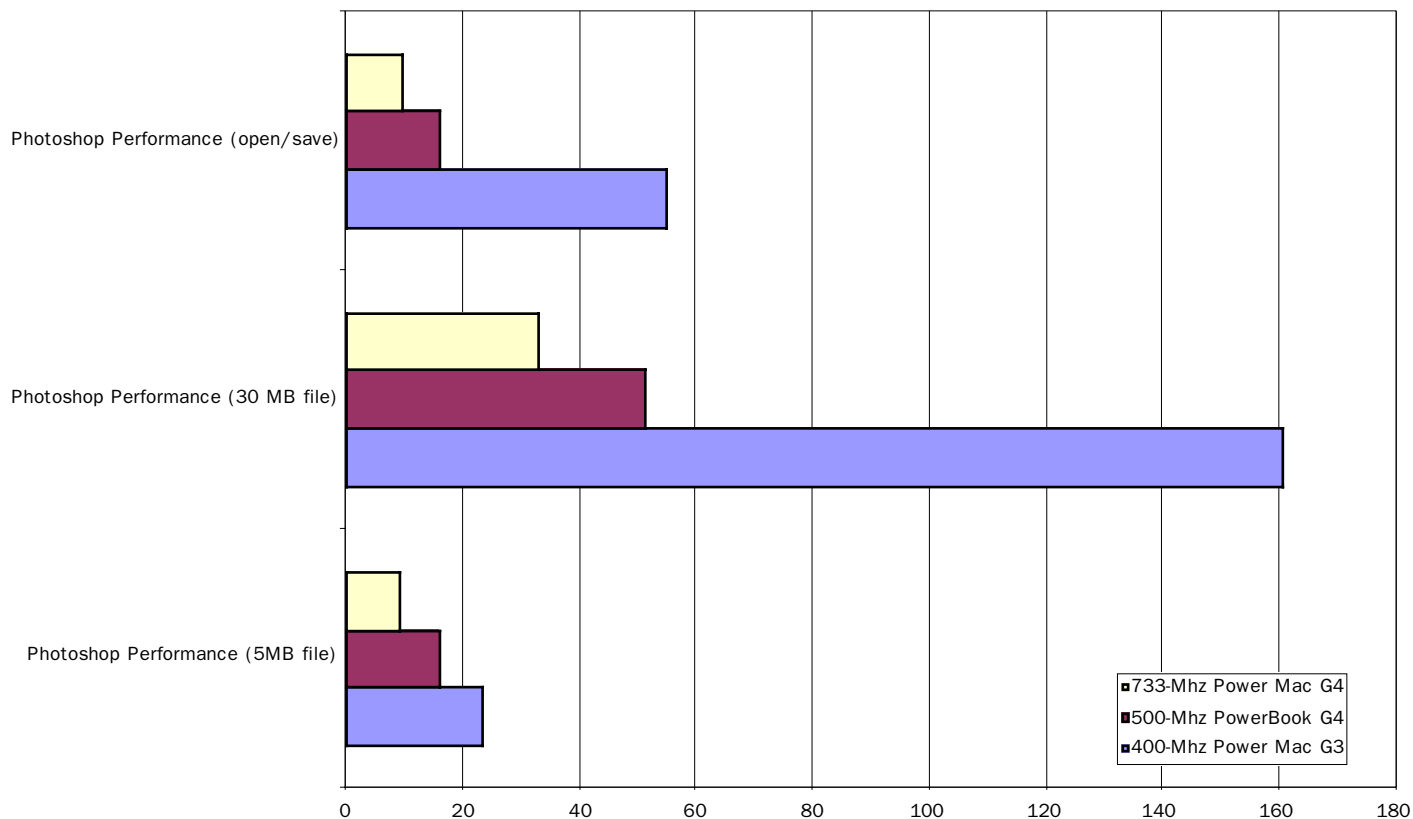
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Adobe Photoshop Performance Overall - Total Time
(Time in seconds - shorter is better)



Adobe Photoshop Performance - Open/Save, 30 & 5 MB Files - Total Time
(Time in seconds - shorter is better)



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WORKFLOW BENCHMARKS

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Workflow Productivity Benchmarks

(Time in seconds - shorter is better)

Publishing workflow / XPress		400-Mhz Power Mac G3	500-Mhz PowerBook G4	733-Mhz Power Mac G4
Phase 1	Create basic layout	187	170	177
Phase 2	Place graphics and text	156	122	116
Phase 3	Adapt pictures for design	572	381	255
Phase 4	Fine tune layout	138	119	113
Phase 5	Create title and picture effect	188	171	168
Phase 6	Print Comps, create backup	170	131	71
Total		1 4 1 1	1 0 9 4	9 0 0

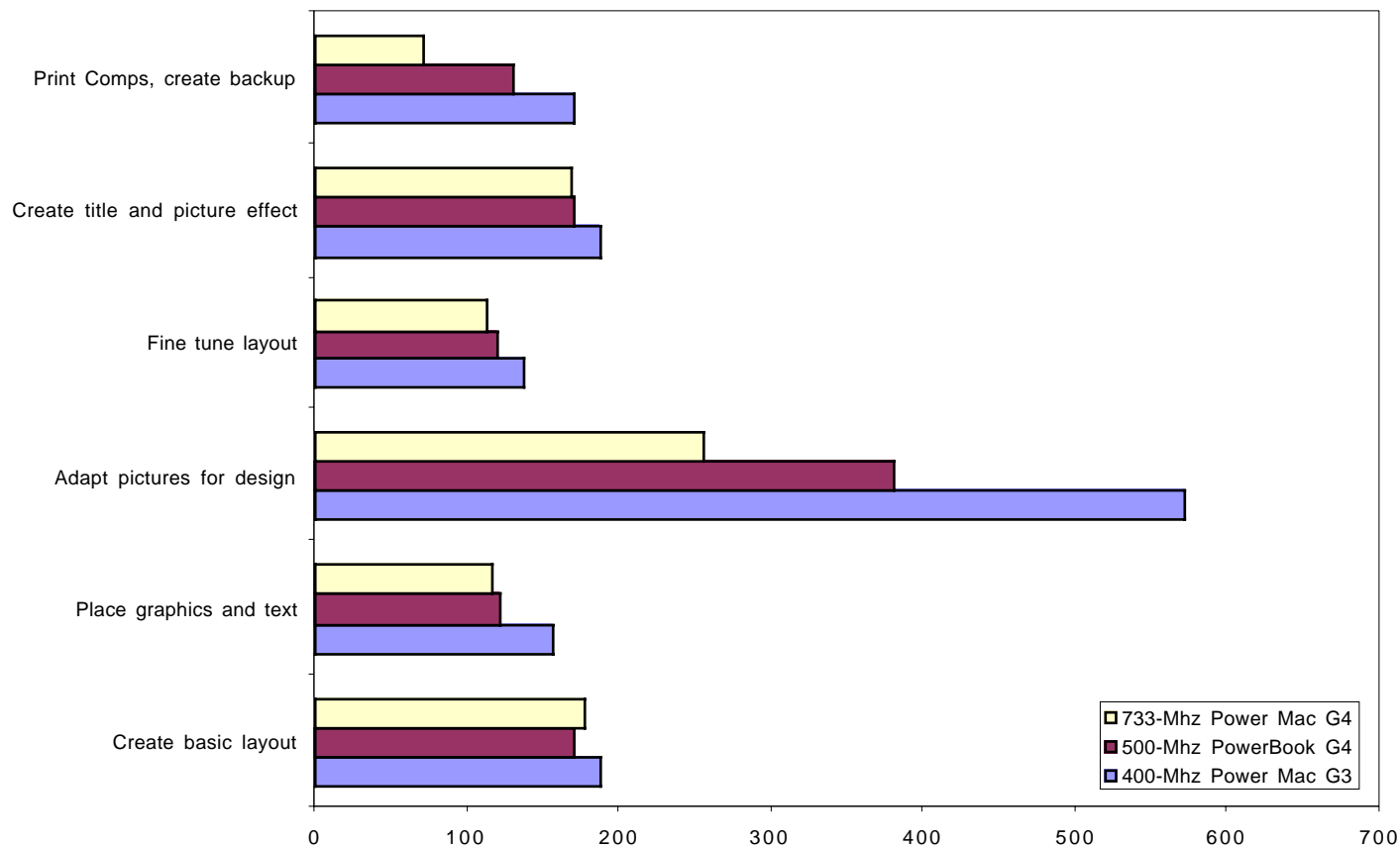
Total time rounded to nearest second

Section: Results and Charts: Workflow Benchmarks

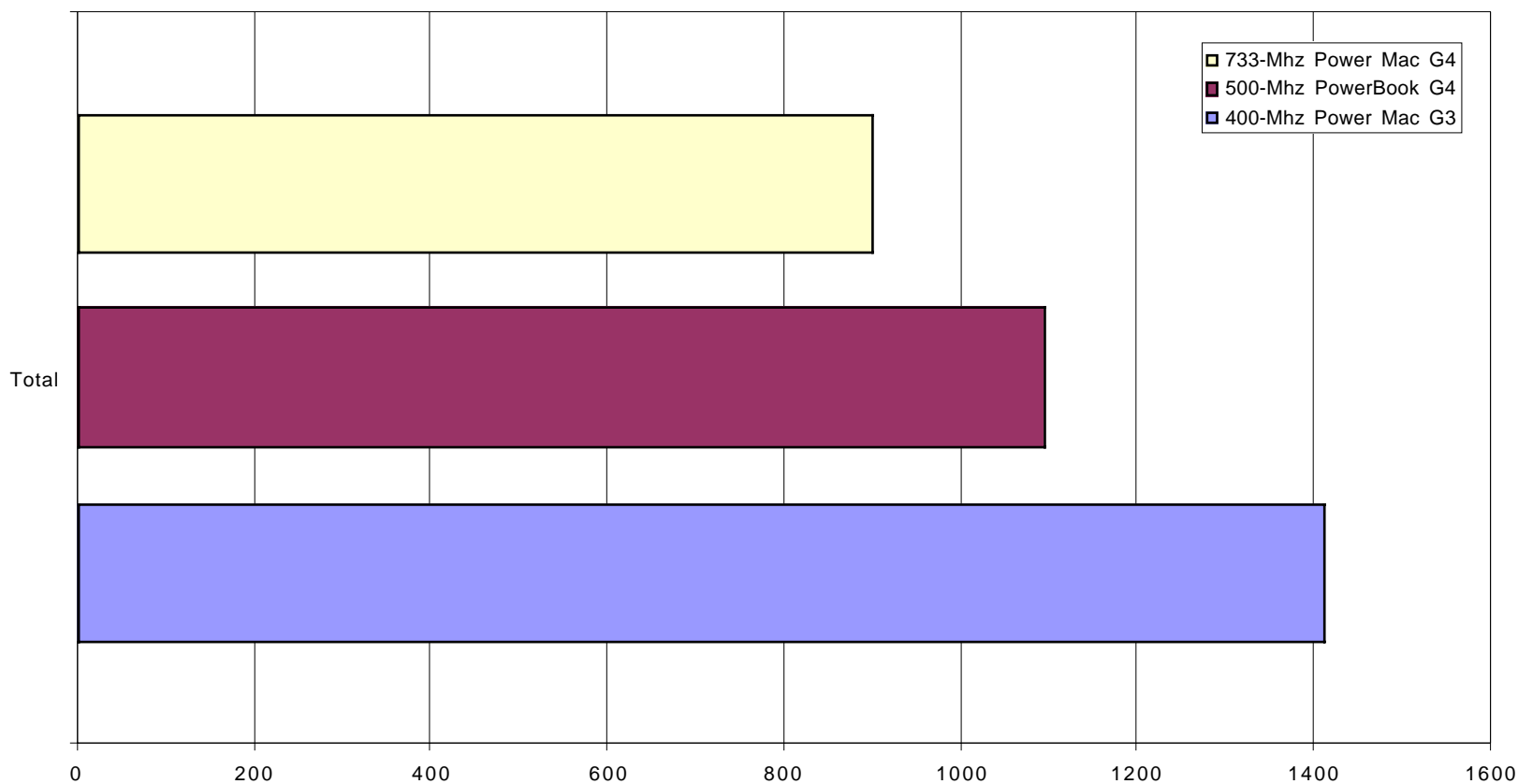
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Design and Publishing Workflow Benchmark
(Time in seconds - shorter is better)



Design and Publishing Workflow Benchmark - Total Tir
(Time in seconds - shorter is better)



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SYSTEM PROFILES

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400-Mhz POWER MAC G3 PROFILE

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Apple System Profiler Report - 400-Mhz Power Mac G3

<u>Software overview</u>	<p>Mac OS overview</p> <p>Finder:8.5</p> <p>System:8.5.1 French Universal</p> <p>Active enabler:None</p> <p>QuickTime:3.0.2</p> <p>CarbonLib:Not gathered</p> <p>File sharing:is off</p> <p>At Ease:Not installed</p>						
<u>Memory overview</u>	<p>Disk cache:4096K</p> <p>Virtual memory:129 MB</p> <p>Used on volume:G3</p> <p>Built-in memory:128 MB</p> <p>Number of empty RAM slots: 3 (DIMM0/J19,DIMM1/J20,DIMM2/J21)</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Size</th> <th>Memory type</th> </tr> </thead> <tbody> <tr> <td>DIMM3/J22</td> <td>128 MB</td> <td>DIMM</td> </tr> </tbody> </table> <p>Backside L2 cache:1 MB</p>	Location	Size	Memory type	DIMM3/J22	128 MB	DIMM
Location	Size	Memory type					
DIMM3/J22	128 MB	DIMM					
<u>Hardware overview</u>	<p>Machine ID:406</p> <p>Model name:Power Macintosh G3 Series</p> <p>Keyboard type:Apple USB Keyboard - ISO</p> <p>Processor info:PowerPC G3</p> <p>Machine speed:400 MHz</p>						
<u>Network overview</u>	Not availableLink:n/aSpeed:n/aDuplex:n/a						
<u>Modem</u>	<p>Name: ? Protocol:</p> <p>Version:</p> <p>Status:No Apple modem found.</p>						
<u>Open Transport</u>	<p>Installed:Yes</p> <p>Active:Yes</p> <p>Version:2.0.2</p>						
<u>AppleTalk</u>	<p>Installed:Yes</p> <p>Active:No</p> <p>Version:Not available</p>						
<u>TCP/IP</u>	<p>Installed:Yes</p> <p>Active:No</p> <p>Version:2.0.2</p> <p>Personal Web Sharing:is off</p> <p>USB Printer Sharing:Not gathered</p> <p>Netmask:<not available></p> <p>IP address:<not available></p> <p>Default gateway address:<not available></p> <p>Domain:<not available></p> <p>Name server address:<not available></p>						
<u>Production information</u>	<p>ROM revision:\$77D.44F1</p> <p>Boot ROM version:1.1f4</p>						

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Mac OS ROM file version:2.0
 Serial number:Not applicable
 Software bundle:Not applicable
 Sales order number:Not applicable

Number of files found = 32


<u>File Name</u>	<u>Version</u>	<u>File size</u>	<u>Last modification date</u>
Adobe Gamma	• 3.3	409K	25/08/00 at 2:22:40 PM
MacTCP DNR	• n/a	136K	30/03/01 at 5:28:30 PM
~ATM™	• 4.6.1f233	1.73 MB	30/03/01 at 5:28:44 PM
Apparence	• 1.1	819K	21/09/98 at 12:00:00 PM
AppleTalk	• 1.1	273K	24/02/97 at 12:00:00 PM
Barre des réglages	• 2.0	273K	25/09/98 at 12:00:00 PM
ColorSync	• 2.5	136K	25/02/98 at 12:00:00 PM
Date et heure	• 8.1	273K	25/09/98 at 12:00:00 PM
Démarrage	• 7.7.2	136K	15/11/98 at 12:00:00 PM
DialAssist	• 3.1	136K	5/08/98 at 12:00:00 PM
Échange de fichiers	• 3.0	682K	16/09/98 at 12:00:00 PM
Économies d'énergie	• 2.1.1	273K	9/11/98 at 12:00:00 PM
Frappe clavier	• 8.1	136K	22/09/98 at 12:00:00 PM
Général	• 7.7.1	136K	22/09/98 at 12:00:00 PM
Gestionnaire d'extensions	• 4.0.4	273K	11/09/98 at 12:00:00 PM
Internet	• 1.0.1	409K	22/09/98 at 12:00:00 PM
Lanceur	• 3.1	136K	23/07/97 at 12:00:00 PM
Mémoire	• 8.0	136K	9/11/98 at 12:00:00 PM
Modem	• 3.1	273K	5/08/98 at 12:00:00 PM
Moniteurs et son	• 1.5	273K	16/11/98 at 12:00:00 PM
Nombres	• 7.1	136K	2/07/96 at 12:00:00 PM
Options Menu Pomme	• 1.1.4	273K	30/03/01 at 5:27:44 PM
Partage de fichiers	• 8.0	682K	21/08/97 at 12:00:00 PM
Partage Web	• 1.5.1	682K	18/08/98 at 12:00:00 PM
Réglages de mobilité	• 2.0	409K	20/11/97 at 12:00:00 PM
Réglages QuickTime™	• 3.0.2	136K	1/09/98 at 12:00:00 PM
Remote Access	• 3.1	546K	5/08/98 at 12:00:00 PM
Souris	• 7.5.4	136K	24/02/97 at 12:00:00 PM
Speech	• 1.5.3	136K	1/08/98 at 12:00:00 PM
TCP/IP	• 2.0.1	409K	8/09/98 at 12:00:00 PM
Texte	• 7.1	136K	21/09/98 at 12:00:00 PM
Utilisateurs et groupes	• 8.0.1	819K	8/09/98 at 12:00:00 PM

Number of files found = 109

<u>File Name</u>	<u>Version</u>	<u>File size</u>	<u>Last modification date</u>
Accélérateur 3D 128 Rage ATI	• 5.1.4	409K	4/12/98 at 12:00:00 PM
Accélérateur 3D ATI	• 4.3.6	546K	10/09/98 at 12:00:00 PM
Accélérateur vidéo ATI	• 4.1.2	136K	4/12/98 at 12:00:00 PM
Adobe Printing Library	• 8.6b19	546K	5/06/99 at 7:50:52 PM
AdobePS	• 8.6b19	955K	30/03/01 at 3:51:14 PM
Extension Internet Config	• 2.0.2	273K	17/09/98 at 12:00:00 PM
Gestionnaire de ressources ATI	• 1.0.2	273K	4/12/98 at 12:00:00 PM

Gestionnaire Iomega	• 6.0.1	136K	10/06/98 at 12:00:00 PM
Gestionnaire MPP ATI	• 1.1.1	273K	5/12/98 at 12:00:00 PM
Indeo® Video	• 3.2.2	273K	13/02/98 at 12:00:00 PM
Intel Raw Video	• 1.1	136K	13/02/98 at 12:00:00 PM
KODAK PRECISION API	• 3.0.1	273K	20/12/94 at 4:21:59 PM
KODAK PRECISION CP	• 2.4.1	136K	30/03/01 at 5:28:37 PM
KODAK PRECISION CP1	• 2.5.3	409K	13/12/94 at 5:14:07 PM
KODAK PRECISION CP2	• 2.5.3	136K	13/12/94 at 5:14:21 PM
Microsoft Clipboard Library	• 1.0f19	273K	3/08/00 at 5:53:55 PM
Microsoft Component Library	• 2.3	273K	20/07/00 at 6:34:23 PM
Microsoft Internet Library	• 5.0.3f1	2.26 MB	17/07/00 at 6:01:35 PM
Microsoft OLE Automation	• 2.3	819K	26/07/00 at 7:36:13 PM
Microsoft OLE Library	• 2.3	955K	20/07/00 at 6:34:23 PM
Microsoft Structured Storage	• 2.3	682K	20/07/00 at 6:34:23 PM
Mise à jour gestionnaires ATI	• 1.4.7	682K	4/12/98 at 12:00:00 PM
MS Font Embed Library (PPC)	• 2.1.3	409K	16/04/98 at 12:00:00 PM
Extension GE	• 4.0.4	136K	8/09/98 at 12:00:00 PM
Accélérateur graphique ATI	• 3.7.9	546K	4/12/98 at 12:00:00 PM
Accès CD audio	• 5.1	136K	18/07/95 at 12:00:00 PM
Accès High Sierra	• 5.2	136K	20/01/98 at 12:00:00 PM
Accès Internet	• 1.2	546K	4/09/98 at 12:00:00 PM
Accès ISO 9660	• 5.2	136K	20/01/98 at 12:00:00 PM
Accès Photo CD	• 5.2	273K	20/01/98 at 12:00:00 PM
Accès UDF	• 1.2	546K	4/12/98 at 12:00:00 PM
Activateur DV	• 1.0.2	273K	4/12/98 at 12:00:00 PM
Activateur FireWire	• 1.2	273K	4/12/98 at 12:00:00 PM
Apple Color SW Pro CMM	• 1.0.1	136K	14/10/98 at 2:36:08 PM
Apple Enet	• 2.0	546K	8/09/98 at 12:00:00 PM
Apple Guide	• 2.3	682K	12/09/98 at 12:00:00 PM
AppleScript	• 1.3.4	1 MB	4/12/98 at 12:00:00 PM
AppleScriptLib	• 1.2.2	273K	14/10/98 at 2:36:08 PM
AppleShare	• 3.8.1	682K	11/08/98 at 12:00:00 PM
Biblio. partage de fichiers	• 8.0.1	273K	8/09/98 at 12:00:00 PM
Bibliothèque décodeur DVD	• 1.1	546K	4/12/98 at 12:00:00 PM
Conversion encodages texte	• 1.4	819K	22/09/98 at 12:00:00 PM
Démarrage vidéo	• 1.7.2	136K	7/11/98 at 12:00:00 PM
Éléments additionnels QD3D	• 1.5.4	273K	20/02/98 at 12:00:00 PM
Ethernet (intégré)	• 2.2	273K	4/12/98 at 12:00:00 PM
Extension Barre des réglages	• 2.0	273K	8/09/98 at 12:00:00 PM
Extension ColorSync	• 2.5.1	1.19 MB	4/08/98 at 12:00:00 PM
Extension menus contextuels	• 1.0.2	273K	10/09/98 at 12:00:00 PM
Extension partage de fichiers	• 7.6.2	273K	24/02/97 at 12:00:00 PM
Extension partage Web	• 1.5.1	546K	18/08/98 at 12:00:00 PM
Extension réglages réseau	• 1.0	546K	9/10/98 at 12:00:00 PM
Gestion FireWire	• 1.2	273K	4/12/98 at 12:00:00 PM
Gestion Services d'impression	• 2.2.1	273K	22/09/98 at 12:00:00 PM
Gestionnaire audio	• 3.3	546K	28/04/98 at 12:00:00 PM
Gestionnaire CD/DVD Apple	• 1.2	136K	30/03/01 at 5:27:44 PM
Gestionnaire de région DVD	• 1.0	136K	30/03/01 at 5:28:47 PM

Gestionnaire QD3D Apple	🍏 • 1.5.4	273K	20/02/98 at 12:00:00 PM
GestionnaireSuperDisqueUSB	🍏 • 1.1	273K	4/12/98 at 12:00:00 PM
GestionnaireUTSuperDisqueUSB	🍏 • 1.1	273K	4/12/98 at 12:00:00 PM
Indexation automatique	🍏 • 2.0	273K	9/11/98 at 12:00:00 PM
Instruments QuickTime™	🍏 • 3.0.2	2.13 MB	1/09/98 at 12:00:00 PM
LaserWriter 300/LS	🍏 • 1.2	409K	1/03/96 at 12:00:00 PM
LaserWriter 8	🍏 • 8.6	1 MB	30/03/01 at 5:15:14 PM
MacinTalk 3	🍏 • 1.4	409K	17/04/95 at 11:00:00 AM
MacinTalk Pro	🍏 • 1.4	955K	18/05/95 at 11:00:00 AM
Mise à jour entrée vidéo G3	🍏 • 1.2	273K	4/12/98 at 12:00:00 PM
Modem PowerMac G3	🍏 • 1.0	136K	15/11/98 at 12:00:00 PM
Module externe DNS	🍏 • 1.0.1	273K	8/09/98 at 12:00:00 PM
Module externe QD3D Apple	🍏 • 1.5.4	273K	20/02/98 at 12:00:00 PM
Module externe SLP	🍏 • 1.0	409K	8/09/98 at 12:00:00 PM
ModuleMoniteurAppleUSB	🍏 • 1.7	273K	11/11/98 at 12:00:00 PM
Nuancier	🍏 • 2.1.1	682K	23/01/98 at 12:00:00 PM
Open Tpt AppleTalk Library	🍏 • 2.0.2	546K	1/12/98 at 12:00:00 PM
Open Tpt Internet Library	🍏 • 2.0.2	546K	1/12/98 at 12:00:00 PM
Open Transport Library	🍏 • 2.0.2	546K	1/12/98 at 12:00:00 PM
OpenTpt Modem	🍏 • 3.1	136K	5/08/98 at 12:00:00 PM
OpenTpt Remote Access	🍏 • 3.1.2	1 MB	5/08/98 at 12:00:00 PM
OpenTpt Serial Arbitrator	🍏 • 3.1	136K	5/08/98 at 12:00:00 PM
Outil de calibrage Apple	🍏 • 1.0.2	409K	4/08/98 at 12:00:00 PM
Partage d'imprimantes	🍏 • 1.1.3	136K	30/03/01 at 5:28:37 PM
PrintingLib	🍏 • 8.6.5	955K	5/04/99 at 10:09:06 AM
PrintMonitor	🍏 • 7.1.2f1	136K	10/06/95 at 12:00:00 PM
QuickDraw™ 3D	🍏 • 1.5.4	1.59 MB	20/02/98 at 12:00:00 PM
QuickDraw™ 3D IR	🍏 • 1.5.4	409K	20/02/98 at 12:00:00 PM
QuickDraw™ 3D RAVE	🍏 • 1.5.4	409K	20/02/98 at 12:00:00 PM
QuickTime™	🍏 • 3.0.2	2.79 MB	11/09/98 at 12:00:00 PM
QuickTime™ Module PPC	🍏 • 3.0.2	2.53 MB	10/09/98 at 12:00:00 PM
QuickTime™ MPEG	🍏 • 1.1.1	409K	1/09/98 at 12:00:00 PM
QuickTime™ Musical Instruments	🍏 • 2.1	546K	7/08/95 at 11:30:00 AM
QuickTime™ VR	🍏 • 2.1	819K	28/04/98 at 12:00:00 PM
Recherche par contenu	🍏 • 2.0	546K	9/11/98 at 12:00:00 PM
Remote seul	🍏 • 3.1	136K	5/08/98 at 12:00:00 PM
Scripts de dossiers	🍏 • 1.3	273K	8/09/98 at 12:00:00 PM
Sélecteur d'application	🍏 • 1.0	273K	8/09/98 at 12:00:00 PM
Service PrintMonitor	🍏 • 2.2.1	273K	22/09/98 at 12:00:00 PM
Shared Library Manager	🍏 • 2.0.1	273K	3/01/97 at 12:00:00 PM
Shared Library Manager PPC	🍏 • 2.0.1	273K	3/01/97 at 12:00:00 PM
SOMobjects™ for Mac OS	🍏 • 2.0.8	273K	14/10/98 at 2:36:08 PM
Speech Manager	🍏 • 1.5.3	273K	1/08/98 at 12:00:00 PM
StyleWriter 1200	🍏 • 2.1.1	819K	13/09/95 at 12:00:00 PM
SW Couleur 1500	🍏 • 2.2.1	819K	18/02/97 at 12:00:00 PM
SW Couleur 2500	🍏 • 2.2.1	819K	18/02/97 at 12:00:00 PM
SW Couleur Pro	🍏 • 1.5.2	409K	15/03/95 at 12:00:00 PM
Synchronisation d'horloge	🍏 • 8.1	273K	22/09/98 at 12:00:00 PM
Système AV	🍏 • 1.5	409K	13/11/98 at 12:00:00 PM

	Client: Apple Computer	Benchmark Report
	Design & Publishing Workflow Benchmark	


Traducteur CD	🍏 • 5.2	136K	21/01/98 at 12:00:00 PM
Visualisation QuickDraw™ 3D	🍏 • 1.5.4	273K	20/02/98 at 12:00:00 PM
AppleVision	🍏 • 1.7	682K	16/11/98 at 12:00:00 PM

Section: Reference	
For further information contact: reasearch@pfeifferreport.com	May 21, 2001

Pfeiffer Consulting 01001011	Client: Apple Computer	Benchmark Report
	Design & Publishing Workflow Benchmark	

500-Mhz POWERBOOK G4 PROFILE

Section: Reference		45
For further information contact: research@pfeifferreport.com		May 21, 2001

	Client: Apple Computer	Benchmark Report
	Design & Publishing Workflow Benchmark	

Apple System Profiler Report - 500-Mhz PowerBook G4

<u>Software overview</u>	<p>Mac OS overview Finder:9.1.1 System:9.1 International English Active enabler:Mac OS ROM 7.5.1 QuickTime:4.1.2 CarbonLib:1.2.5 File sharing:is off Multiple Users:1.3.1</p>
<u>Memory overview</u>	<p>Disk cache:8160K Virtual memory:257 MB Used on volume:Powerbook G4 Built-in memory:256 MB Number of empty RAM slots: 1 (SODIMM0/J16TOP) PC100-322S Location Size Memory type SODIMM1/J16BOTTOM256 MB SDRAM Video memory:8 MB Built-in display in use Backside L2 cache:1 MB</p>
<u>Hardware overview</u>	<p>Machine ID:406 Model name:PowerBook G4 Keyboard type:PowerBook G4 Keyboard with Inverted-T (ISO) Processor info:PowerPC G4 Machine speed:500 MHz (500 MHz) Nanokernel version: 2.22 Nanokernel pool extends: 12 Nanokernel scheduled CPUs:1 uni-n: 8</p>
<u>Network overview</u>	<p>Ethernet built-in Link:upSpeed:100 MbpsDuplex:half</p>
<u>Modem</u>	<p>Name:PowerBook G4 Internal 56K Protocol:V.90 Version:V2.300-V90 Status:Information gathered.</p>
<u>Open Transport</u>	<p>Installed:Yes Active:Yes Version:2.7.4</p>
<u>AppleTalk</u>	<p>Installed:Yes Active:Yes Version:60 File sharing:is off Default AppleTalk zone:Not available Active network port(s):Ethernet built-in This network:65280 This node:128</p>

Section: Reference	
For further information contact: reasearch@pfeifferreport.com	May 21, 2001

TCP/IP

Router:<not available>
 Hardware Address:00.30.65.BD.EC.EE
 Installed:Yes
 Active:Yes
 Version:2.7.4
 Personal Web Sharing:is off
 USB Printer Sharing:Not running (v1.0.1)
 Note: No printer has been chosen.
 ROM revision:\$77D.45F6
 Boot ROM version:\$0003.36f5
 Mac OS ROM file version:7.5.1
 Serial number:QT1094K3-JF8-ff0d
 Software bundle:
 Sales order number:M7710F/A

Printer overview

Production information

 Number of files found = 38

<u>File Name</u>	<u>Version</u>	<u>File size</u>	<u>Last modification date</u>
~ATM™	• 4.6.1f233	1.60 MB	2/04/01 at 1:40:40 PM
Appearance	• 1.1.4	624K	26/08/99 at 12:00:00 PM
Apple Menu Options	• 1.1.8	76K	2/04/01 at 1:39:37 PM
AppleTalk	• 1.1	212K	1/10/96 at 12:00:00 PM
ColorSync	• 3.0.3	112K	6/11/00 at 12:00:00 PM
Control Strip	• 2.0.3	36K	21/09/00 at 12:00:00 PM
Date & Time	• 8.3.1	144K	28/11/00 at 12:00:00 PM
DialAssist	• 4.0	36K	23/10/00 at 12:00:00 PM
Energy Saver	• 3.0.4	148K	19/01/01 at 12:00:00 PM
Extensions Manager	• 4.0.4	172K	24/07/98 at 12:00:00 PM
File Exchange	• 3.0.4	596K	23/09/00 at 12:00:00 PM
File Sharing	• 9.0.2	520K	27/09/00 at 12:00:00 PM
File Synchronization	• 1.2	460K	25/09/00 at 12:00:00 PM
General Controls	• 8.0	48K	14/09/00 at 12:00:00 PM
Infrared	• 2.4	124K	22/09/00 at 12:00:00 PM
Internet	• 1.0.2	268K	12/09/00 at 12:00:00 PM
Keyboard	• 8.5.4	88K	2/04/01 at 12:19:59 PM
Keychain Access	• 2.2	692K	17/09/00 at 12:00:00 PM
Launcher	• 3.1.3	64K	23/08/99 at 12:00:00 PM
Location Manager	• 2.0.1	372K	25/09/00 at 12:00:00 PM
MacTCP DNR	• 1.0	4K	26/08/99 at 12:00:00 PM
Memory	• 8.1.3	84K	27/09/00 at 12:00:00 PM
Modem	• 4.0	148K	23/10/00 at 12:00:00 PM
Monitors	• 8.6.1	112K	25/09/00 at 12:00:00 PM
Mouse	• 8.1.1	60K	10/08/00 at 12:00:00 PM
Multiple Users	• 1.2.2	856K	3/01/00 at 12:00:00 PM
Numbers	• 7.1	16K	17/08/92 at 12:00:00 PM
QuickTime™ Settings	• 4.1.1	132K	27/04/00 at 12:00:00 PM
Remote Access	• 4.0	396K	23/10/00 at 12:00:00 PM
Software Update	• 1.2	204K	9/10/00 at 12:00:00 PM

Sound	•	8.5.4	212K	29/11/00 at 12:00:00 PM
Speech	•	2.0.2	100K	15/09/99 at 12:00:00 PM
Startup Disk	•	9.0.2	180K	15/01/01 at 12:00:00 PM
TCP/IP	•	2.5	288K	3/08/99 at 12:00:00 PM
Text	•	8.0	16K	20/07/99 at 12:00:00 PM
Trackpad	•	9.0.4	120K	1/06/00 at 12:00:00 PM
USB Printer Sharing	•	1.0.1	432K	9/10/00 at 12:00:00 PM
Web Sharing	•	1.5.5	588K	6/06/00 at 12:00:00 PM

Number of files found = 152

<u>File Name</u>	<u>•</u>	<u>Version</u>	<u>File size</u>	<u>Last modification date</u>
ATI 3D Accelerator	•	5.0.3	904K	19/10/00 at 12:00:00 PM
ATI Driver Update	•	1.8.2	1.67 MB	7/02/01 at 12:00:00 PM
ATI MPP Manager	•	1.2	60K	31/05/00 at 12:00:00 PM
ATI Radeon 3D Accelerator	•	6.1.8	604K	7/02/01 at 12:00:00 PM
ATI Rage 128 3D Accelerator	•	6.1.6	636K	7/02/01 at 12:00:00 PM
ATI Resource Manager	•	2.8.7	268K	22/01/01 at 12:00:00 PM
ATI Video Accelerator	•	4.7.4	168K	22/01/01 at 12:00:00 PM
Microsoft Component Library	•	2.2.2	60K	17/03/00 at 3:04:37 AM
Microsoft Framework	•	5.0.2f35	1.23 MB	17/03/00 at 12:00:00 AM
Microsoft Internet Library	•	5.0.2	2 MB	17/03/00 at 12:00:00 AM
MS Font Embed Library (PPC)	•	2.1.3	228K	22/03/00 at 10:54:32 AM
NVIDIA 2D Acceleration	•	1.1.1	52K	30/01/01 at 12:00:00 PM
NVIDIA Driver Update	•	1.1.1	72K	30/01/01 at 12:00:00 PM
NVIDIA DVD Accelerator	•	1.1.1	180K	30/01/01 at 12:00:00 PM
NVIDIA Engine	•	1.1.1	100K	30/01/01 at 12:00:00 PM
NVIDIA OpenGL	•	1.1.1	1.51 MB	30/01/01 at 12:00:00 PM
NVIDIA Resource Manager	•	1.1.1	516K	30/01/01 at 12:00:00 PM
NVIDIA Video Accelerator	•	1.1.1	124K	30/01/01 at 12:00:00 PM
ShareWay IP Personal Bgnd	•	2.0.1	108K	10/10/00 at 12:00:00 PM
StuffIt Engine™	•	5.5	2 MB	9/11/99 at 3:38:24 PM
StuffIt Engine™ PowerPlug	•	5.5	1.55 MB	9/11/99 at 3:38:25 PM
EM Extension	•	4.0.5	8K	26/08/99 at 12:00:00 PM
AirPort AP	•	1.2	932K	2/04/01 at 1:40:59 PM
AirPort AP Support	•	1.2	48K	13/03/00 at 12:00:00 PM
AirPort Driver	•	1.2	356K	2/06/00 at 12:00:00 PM
AirPort PC Card	•	1.2	364K	2/06/00 at 12:00:00 PM
Apple Audio Extension	•	1.3.3	688K	29/01/01 at 12:00:00 PM
Apple CD/DVD Driver	•	1.4.4	120K	7/02/01 at 12:00:00 PM
Apple Enet	•	2.4.2	520K	31/10/00 at 12:00:00 PM
Apple Enet DLPI Support	•	1.0	84K	25/09/00 at 12:00:00 PM
Apple Guide	•	2.5	828K	27/08/99 at 12:00:00 PM
Apple Modem Tool	•	1.5.7	172K	10/06/98 at 12:00:00 PM
Apple Monitor Plugins	•	2.0.5	932K	18/12/00 at 12:00:00 PM
Apple Photo Access	•	5.3.3	160K	2/10/00 at 11:56:40 AM
Apple QD3D HW Driver	•	1.6	16K	16/04/99 at 12:00:00 PM
Apple QD3D HW Plug-In	•	1.6	44K	16/04/99 at 12:00:00 PM
AppleScript	•	1.5.5	772K	7/11/00 at 12:00:00 PM
AppleShare	•	3.8.8	588K	16/10/00 at 12:00:00 PM

Application Switcher	🍏 • 1.0	88K	3/08/98 at 12:00:00 PM
ATI Graphics Accelerator	🍏 • 5.3.4	948K	22/01/01 at 12:00:00 PM
Audio CD Access	🍏 • 5.2	16K	20/08/99 at 12:00:00 PM
Authoring Support	🍏 • 1.0.1	656K	26/01/01 at 12:00:00 PM
CarbonLib	🍏 • 1.2.5	3.46 MB	6/02/01 at 12:00:00 PM
Color Picker	🍏 • 2.1.1	492K	23/09/97 at 12:00:00 PM
ColorSync Extension	🍏 • 3.0.3	832K	9/10/00 at 12:00:00 PM
Contextual Menu Extension	🍏 • 1.0.2	76K	23/07/97 at 12:00:00 PM
Control Strip Extension	🍏 • 2.0.3	76K	21/09/00 at 12:00:00 PM
Default Calibrator	🍏 • 3.0.3	232K	9/10/00 at 12:00:00 PM
Desktop Printer Spooler	🍏 • 2.2.1	72K	21/08/98 at 12:00:00 PM
Desktop PrintMonitor	🍏 • 2.2.1	80K	21/08/98 at 12:00:00 PM
Disc Burner Extension	🍏 • 1.0	140K	8/01/01 at 12:00:00 PM
DNSPlugin	🍏 • 1.1.3	120K	11/10/00 at 12:00:00 PM
DrawSprocketLib	🍏 • 1.7.5	120K	20/07/00 at 12:00:00 PM
DVD AutoLauncher	🍏 • 1.1	32K	25/02/00 at 12:00:00 PM
DVD Navigation Manager	🍏 • 2.5	1 MB	22/11/00 at 12:00:00 PM
DVD Navigation Manager NV	🍏 • 2.5	1 MB	30/11/00 at 12:00:00 PM
DVD Region Manager	🍏 • 1.1	24K	2/04/01 at 1:40:49 PM
DVD Video Interface	🍏 • 1.0	12K	30/11/00 at 12:00:00 PM
DVDRuntimeLib	🍏 • 2.5	1 MB	30/11/00 at 12:00:00 PM
EnetShimLib	🍏 • 1.5	16K	6/02/01 at 12:00:00 PM
FBC Indexing Scheduler	🍏 • 3.0.2	36K	25/09/00 at 12:00:00 PM
File Sharing Extension	🍏 • 7.6.7	200K	4/10/00 at 12:00:00 PM
File Sharing Library	🍏 • 9.0.2	68K	27/09/00 at 12:00:00 PM
Find By Content	🍏 • 3.0.2	516K	25/09/00 at 12:00:00 PM
FireWire Enabler	🍏 • 2.8.1	116K	22/01/01 at 12:00:00 PM
FireWire Support	🍏 • 2.8.1	256K	22/01/01 at 12:00:00 PM
Folder Actions	🍏 • 1.5.5	32K	31/10/00 at 12:00:00 PM
FontSync Extension	🍏 • 1.0	132K	2/09/99 at 12:00:00 PM
Foreign File Access	🍏 • 5.3.3	40K	2/10/00 at 11:56:00 AM
Heidelberg CMM	🍏 • 3.0.1	184K	7/03/00 at 12:00:00 PM
HID Library	🍏 • 1.5	28K	6/02/01 at 12:00:00 PM
HTMLRenderingLib	🍏 • 1.0.4	472K	6/10/00 at 12:00:00 PM
InputSprocket Extension	🍏 • 1.7.3	504K	7/12/99 at 12:00:00 PM
Internal V.90 Modem	🍏 • 1.3	216K	7/02/01 at 12:00:00 PM
Internet Config Extension	🍏 • 2.0.7	112K	10/10/00 at 12:00:00 PM
IrDA Tool	🍏 • 2.4	40K	22/09/00 at 12:00:00 PM
IrDALib	🍏 • 2.4	296K	22/09/00 at 12:00:00 PM
ISO 9660 File Access	🍏 • 5.3.3	20K	2/10/00 at 11:56:11 AM
LaserWriter 8	🍏 • 8.7	640K	2/04/01 at 12:21:03 PM
LDAP Client Library	🍏 • 1.0	268K	2/08/99 at 12:00:00 PM
LDAPPlugin	🍏 • 1.1.3	80K	11/10/00 at 12:00:00 PM
Location Manager Extension	🍏 • 2.0	76K	27/10/97 at 12:00:00 PM
MacinTalk 3	🍏 • 1.4	352K	17/04/95 at 12:00:00 PM
MacinTalk Pro	🍏 • 1.4	792K	18/05/95 at 11:00:00 AM
Multi-User Startup	🍏 • 1.3.1	160K	2/10/00 at 12:00:00 PM
NBP Plugin	🍏 • 1.1.3	36K	11/10/00 at 12:00:00 PM
NetSprocketLib	🍏 • 1.7.1	160K	18/08/99 at 12:00:00 PM

Network Setup Extension	🍏 • 1.2	524K	5/10/00 at 12:00:00 PM
NSL UI Library	🍏 • 1.1.3	644K	11/10/00 at 12:00:00 PM
Open Transport	🍏 • 2.7.4	1.19 MB	13/10/00 at 12:00:00 PM
Open Transport ASLM Modules	🍏 • 2.7.4	584K	13/10/00 at 12:00:00 PM
OpenGLEngine	🍏 • 1.2.1	700K	6/11/00 at 12:00:00 PM
OpenGLLibrary	🍏 • 1.2.1	220K	6/11/00 at 12:00:00 PM
OpenGLMemory	🍏 • 1.2.1	16K	6/11/00 at 12:00:00 PM
OpenGLRenderer	🍏 • 1.2.1	2.70 MB	6/11/00 at 12:00:00 PM
OpenGLRendererATI	🍏 • 1.2.3	368K	22/01/01 at 12:00:00 PM
OpenGLUtility	🍏 • 1.2.1	216K	6/11/00 at 12:00:00 PM
OpenTpt Remote Access	🍏 • 4.0	952K	23/10/00 at 12:00:00 PM
OpenTpt Serial Arbitrator	🍏 • 4.0	8K	23/10/00 at 12:00:00 PM
PrintingLib	🍏 • 8.7	884K	13/08/99 at 12:00:00 PM
PrintMonitor	🍏 • 7.1.2f1	64K	25/01/94 at 12:00:00 PM
QD3DCustomElements	🍏 • 1.6	20K	16/04/99 at 12:00:00 PM
QuickDraw™ 3D	🍏 • 1.6	1.21 MB	16/04/99 at 12:00:00 PM
QuickDraw™ 3D IR	🍏 • 1.6	212K	16/04/99 at 12:00:00 PM
QuickDraw™ 3D RAVE	🍏 • 1.6	288K	16/04/99 at 12:00:00 PM
QuickDraw™ 3D Viewer	🍏 • 1.6	124K	16/04/99 at 12:00:00 PM
QuickTime DV Update	🍏 • 4.1.3	112K	20/10/00 at 12:00:00 PM
QuickTime FireWire DV Enabler	🍏 • 2.2	16K	21/03/00 at 12:00:00 PM
QuickTime FireWire DV Support	🍏 • 2.2	180K	21/03/00 at 12:00:00 PM
QuickTime™	🍏 • 4.1.2	1 MB	25/04/00 at 12:00:00 PM
QuickTime™ MPEG Extension	🍏 • 1.1.2	272K	26/05/99 at 12:00:00 PM
QuickTime™ Musical Instruments	🍏 • 4.1.1	2 MB	30/03/00 at 12:00:00 PM
QuickTime™ PowerPlug	🍏 • 4.1.2	1.75 MB	18/04/00 at 12:00:00 PM
QuickTime™ VR	🍏 • 2.3	340K	13/12/99 at 12:00:00 PM
Remote Only	🍏 • 3.5	4K	30/08/99 at 12:00:00 PM
Security Cert Module	🍏 • 2.2	312K	17/09/00 at 12:00:00 PM
Security Library	🍏 • 2.2	1 MB	17/09/00 at 12:00:00 PM
Security Manager	🍏 • 2.2	296K	17/09/00 at 12:00:00 PM
Security Policy Module	🍏 • 2.2	196K	17/09/00 at 12:00:00 PM
Security Storage Module	🍏 • 2.2	572K	17/09/00 at 12:00:00 PM
Serial Tool	🍏 • 1.0.2a1	36K	21/12/92 at 4:00:00 PM
SerialShimLib	🍏 • 1.5	24K	6/02/01 at 12:00:00 PM
Shared Library Manager	🍏 • 2.0.2	168K	4/08/99 at 12:00:00 PM
Shared Library Manager PPC	🍏 • 2.0.2	208K	4/08/99 at 12:00:00 PM
SLPPlugin	🍏 • 1.1.3	216K	11/10/00 at 12:00:00 PM
Software Update Engine	🍏 • 1.2	764K	9/10/00 at 12:00:00 PM
Software Update Scheduler	🍏 • 1.2	64K	9/10/00 at 12:00:00 PM
SOMobjects™ for Mac OS	🍏 • 2.0.8	136K	14/09/96 at 12:00:00 PM
Sound Manager	🍏 • 3.6.5	264K	30/03/00 at 12:00:00 PM
SoundSprocket Filter	🍏 • 1.7.1	76K	8/09/99 at 12:00:00 PM
SoundSprocketLib	🍏 • 1.7.1	24K	8/09/99 at 12:00:00 PM
SpeakableItems	🍏 • 2.0.4	168K	3/10/00 at 12:00:00 PM
Speech Manager	🍏 • 2.0	32K	1/08/98 at 12:00:00 PM
Speech Recognition	🍏 • 2.0.2	1.41 MB	14/01/00 at 12:00:00 PM
System Monitor Plugins	🍏 • 8.6.1	284K	25/09/00 at 12:00:00 PM
Text Encoding Converter	🍏 • 1.6	872K	5/10/00 at 12:00:00 PM

Text Tool	🍏 • 1.0.1	28K	5/04/91 at 12:00:00 PM
Theater Mode	🍏 • 2.0.1	56K	7/02/01 at 12:00:00 PM
Time Synchronizer	🍏 • 8.3.1	56K	7/11/00 at 12:00:00 PM
TTY Tool	🍏 • 1.0.1	64K	2/04/91 at 12:00:00 PM
Type 1 Scaler	🍏 • 1.0.1	548K	21/12/99 at 12:00:00 PM
UDF Volume Access	🍏 • 1.5.3	368K	27/07/99 at 12:00:00 PM
URL Access	🍏 • 2.3	496K	1/02/01 at 12:00:00 PM
USB Device Extension	🍏 • 1.5	384K	6/02/01 at 12:00:00 PM
USB Printer Sharing Extension	🍏 • 1.0.1	292K	9/10/00 at 12:00:00 PM
USB Software Locator	🍏 • 1.5	24K	6/02/01 at 12:00:00 PM
USBAppleMonitorModule	🍏 • 2.0.3	104K	13/07/00 at 12:00:00 PM
Video Out Default (PAL)	🍏 • 80.0	40K	9/02/96 at 12:00:00 PM
Video Startup	🍏 • 1.7.3	72K	28/07/99 at 12:00:00 PM
VT102 Tool	🍏 • 1.0.2	160K	2/04/91 at 12:00:00 PM
Web Sharing Extension	🍏 • 1.5.5	376K	6/06/00 at 12:00:00 PM
XMODEM Tool	🍏 • 1.1	68K	22/12/92 at 12:00:00 PM

Number of files found = 269

<u>File Name</u>	<u>🍏 Version</u>	<u>File size</u>	<u>Mem Size</u>	<u>Last modification date</u>
5xxx/6xxx Tester	🍏 1.1	12K	n/a	2/01/97 at 9:00:00 PM
ACROREAD.MAC	2.1	2.71 MB	640K	20/09/95 at 7:25:20 PM
Add this to Favorites folder	🍏 2.0.4	24K	200K	3/10/00 at 12:00:00 PM
Add this to startup items	🍏 2.0.4	12K	200K	3/10/00 at 12:00:00 PM
Address Book Export	1.0	432K	850K	31/08/98 at 10:38:52 AM
Address Book shortcut	n/a	32K	200K	15/08/00 at 5:00:45 PM
Adobe BBS Installer	1.5.1	804K	297K	1/10/96 at 9:05:38 AM
Adobe Gamma	n/a	240K	2 MB	30/01/98 at 4:38:06 PM
Aged Photo.exe	6.0	116K	384K	22/09/00 at 3:43:00 AM
AirPort	🍏 1.2	500K	1 MB	2/06/00 at 12:00:00 PM
AirPort Admin Utility	🍏 1.2	884K	1.95 MB	2/06/00 at 12:00:00 PM
AirPort Setup Assistant	🍏 1.2	520K	1 MB	10/12/00 at 12:00:00 PM
Apple Applet Runner	🍏 2.2.4	296K	1 MB	12/01/01 at 12:00:00 PM
Apple channel	🍏 2.0.4	8K	200K	3/10/00 at 12:00:00 PM
Apple DVD Player	🍏 2.5	472K	9.95 MB	4/12/00 at 12:00:00 PM
Apple File Security	🍏 2.2	152K	1 MB	17/09/00 at 12:00:00 PM
Apple HD SC Setup	🍏 7.3.5	88K	384K	22/03/95 at 9:00:00 PM
Apple Software Restore	🍏 2.0.6	528K	8 MB	25/09/00 at 12:00:00 PM
Apple System Profiler	🍏 2.5.7	1.58 MB	3 MB	25/01/01 at 12:00:00 PM
Apple Verifier	🍏 2.2	544K	2.46 MB	17/09/00 at 12:00:00 PM
Apple Video Player	🍏 1.7.3	732K	2.44 MB	14/09/00 at 12:00:00 PM
ATM 4.0 Installer	1.0f7	1.15 MB	2 MB	20/01/97 at 1:00:00 PM
ATM® Deluxe	4.6.1f233	1.11 MB	1.95 MB	2/04/01 at 1:41:10 PM
ATM® Deluxe 4.6.1 Installer	1.0f1	17.21 MB	2 MB	11/10/00 at 2:11:59 PM
AutoMatch	🍏 3.0.3	24K	400K	9/10/00 at 12:00:00 PM
Browse the Internet	🍏 1.0.1	8K	200K	1/08/97 at 12:00:00 PM
Build profile info web page	🍏 3.0.3	20K	200K	9/10/00 at 12:00:00 PM
Cancel the last command	🍏 2.0.4	8K	76K	3/10/00 at 12:00:00 PM
Change display profile	🍏 3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Change my configuration	🍏 2.0.4	24K	1.17 MB	3/10/00 at 12:00:00 PM

Change my location set up	🍏	2.0.4	56K	200K	3/10/00 at 12:00:00 PM
Change my network set up	🍏	2.0.4	68K	800K	3/10/00 at 12:00:00 PM
Change the desktop background	🍏	2.0.4	92K	200K	3/10/00 at 12:00:00 PM
Change view of this window	🍏	2.0.4	44K	200K	3/10/00 at 12:00:00 PM
Close all windows	🍏	2.0.4	8K	76K	3/10/00 at 12:00:00 PM
Close this window	🍏	2.0.4	8K	76K	3/10/00 at 12:00:00 PM
Conditional Mode Change.exe		6.0	112K	384K	22/09/00 at 3:43:00 AM
Constrain 350, Make JPG 30.exe		n/a	32K	384K	22/09/00 at 3:42:00 AM
Constrain to 200x200 pixels.exe		n/a	32K	384K	22/09/00 at 3:42:00 AM
Constrain to 300 pixels.exe		6.0	112K	384K	22/09/00 at 3:43:00 AM
Constrain to 64 pixels.exe		6.0	112K	384K	22/09/00 at 3:43:00 AM
Constrain to 64X64 pixels.exe		n/a	32K	384K	22/09/00 at 3:42:00 AM
Contacter Macromedia		8.0	260K	500K	22/04/98 at 12:14:39 PM
Copy this to the clipboard	🍏	2.0.4	8K	76K	3/10/00 at 12:00:00 PM
Create FontSync Profile	🍏	1.0	8K	200K	2/09/99 at 12:00:00 PM
Decrease the number of colors	🍏	2.0.4	12K	200K	3/10/00 at 12:00:00 PM
Delete this message	🍏	2.0.3	12K	512K	13/09/00 at 12:00:00 PM
Desktop Printer Utility	🍏	1.3	600K	512K	12/09/00 at 12:00:00 PM
DigitalColor Meter	🍏	2.1	76K	400K	26/09/00 at 12:00:00 PM
Disc Burner	🍏	1.0	44K	1 MB	8/01/01 at 12:00:00 PM
Disk Copy	🍏	6.3.3	1 MB	768K	21/01/99 at 12:00:00 PM
Disk First Aid	🍏	8.6	204K	1 MB	21/09/00 at 12:00:00 PM
Disk First Aid	🍏	7.2.3	60K	288K	17/12/96 at 9:00:00 PM
Drive Setup	🍏	2.0.5	444K	2 MB	18/01/01 at 12:00:00 PM
Drive Setup	🍏	1.2.2	244K	384K	19/12/96 at 9:00:00 PM
Drop Shadow Frame.exe		6.0	116K	384K	22/09/00 at 3:43:00 AM
DropEmbed	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Droplet Template		6.0	20K	384K	22/09/00 at 4:48:14 AM
DropProof	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
DropStuff™		5.5	220K	1 MB	18/01/00 at 12:00:00 AM
Editeur de cadre		3.2f1	64K	384K	2/10/95 at 8:11:55 AM
Eject this disk	🍏	2.0.4	12K	200K	3/10/00 at 12:00:00 PM
Embed chosen profile	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Embed specific profile	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Empty the trash	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
Enregistrement Adobe		2.0.5f2	320K	2 MB	29/09/98 at 7:02:30 PM
Enregistrement Adobe		2.0.5f2	312K	1.50 MB	7/05/98 at 2:00:00 PM
Exploring Mac OS 7.6	🍏	1.0	1.90 MB	256K	12/12/96 at 9:00:00 PM
Extract profile	🍏	3.0.3	12K	1.95 MB	9/10/00 at 12:00:00 PM
Favorites		5.0.1d1	660K	1 MB	14/08/00 at 12:00:00 AM
Find a file	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
Find a person	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
Find by Content Indexing	🍏	3.0.2	56K	1.95 MB	25/09/00 at 12:00:00 PM
Find original of this	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
FirstClass@ Demo Server 2.63		2.6.3	384K	1.46 MB	16/12/94 at 11:26:52 AM
Flash Player		2.0	160K	2.44 MB	11/04/97 at 12:07:00 PM
Frame Editor 3.2		3.2f1	68K	384K	14/07/94 at 3:25:49 PM
FreeHand 8		8.0f6	6.45 MB	9.76 MB	28/08/98 at 9:54:39 AM
FreeHand Clipart Viewer		1.0	304K	4 MB	22/01/98 at 3:08:16 PM


Get my mail	🍏	2.0	8K	384K	13/09/99 at 12:00:00 PM
Get my mail	🍏	2.0.4	12K	340K	3/10/00 at 12:00:00 PM
Get my mail	🍏	2.0.3	16K	384K	13/09/00 at 12:00:00 PM
Get next unread message	🍏	2.0.3	16K	384K	13/09/00 at 12:00:00 PM
Go Back	🍏	2.0	12K	384K	13/09/99 at 12:00:00 PM
Go Back	🍏	2.0	8K	384K	13/09/99 at 12:00:00 PM
Go Forward	🍏	2.0	12K	384K	13/09/99 at 12:00:00 PM
Go Forward	🍏	2.0	8K	384K	13/09/99 at 12:00:00 PM
Go Home	🍏	2.0	12K	384K	13/09/99 at 12:00:00 PM
Go Home	🍏	2.0	12K	384K	13/09/99 at 12:00:00 PM
Graphing Calculator		1.2	872K	2.92 MB	23/08/00 at 12:00:00 PM
Help Viewer	🍏	1.6.2	1 MB	2.92 MB	16/11/00 at 12:00:00 PM
Hide all applications	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
Hide this application	🍏	2.0.4	12K	200K	3/10/00 at 12:00:00 PM
Increase the number of colors	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
InDesign 1.5		1.0.5f1	1.79 MB	73.24 MB	30/03/01 at 2:41:06 PM
Insert my email address	🍏	2.0.4	8K	340K	3/10/00 at 12:00:00 PM
Insert my name	🍏	2.0.4	8K	340K	3/10/00 at 12:00:00 PM
Insert today's date	🍏	2.0.4	8K	76K	3/10/00 at 12:00:00 PM
Install Cyberdog	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Install Cyberdog	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Install FirstClass® Demo		2.6.2	776K	400K	22/12/94 at 11:45:10 AM
Install Mac™ OS	🍏	7.6	128K	500K	9/12/96 at 9:00:00 PM
Installer	🍏	3.4.3	152K	700K	6/08/96 at 1:43:25 PM
Installer	🍏	3.4.3	152K	700K	6/08/96 at 1:43:27 PM
Installer	🍏	4.0.3	180K	800K	13/10/94 at 12:26:00 AM
Installer	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Installer	🍏	4.0.6	188K	2.92 MB	3/01/97 at 9:00:00 PM
Installer	🍏	4.0.3	180K	1.95 MB	13/08/95 at 9:00:00 PM
Installer	🍏	4.0.3	180K	1.95 MB	13/08/95 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	1/11/96 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	1/11/96 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	19/11/96 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	19/11/96 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Installer	🍏	4.0.3	180K	800K	25/07/94 at 9:00:00 PM
Installer	🍏	4.0.3	180K	1.46 MB	28/08/95 at 10:00:00 AM
Installer	🍏	4.0.3	180K	1.46 MB	28/08/95 at 10:00:00 AM
Installer	🍏	4.0.6	188K	2.92 MB	3/01/97 at 9:00:00 PM
Installer Engine	🍏	4.5.6	588K	1.95 MB	6/10/00 at 12:00:00 PM
Internet channel	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
Internet Editor Assistant	🍏	1.5.2	316K	1000K	1/12/00 at 12:00:00 PM
Internet Explorer		5.0f35	4.95 MB	11.94 MB	22/03/00 at 12:00:00 AM
Internet Setup Assistant	🍏	1.5.2	316K	700K	30/11/00 at 12:00:00 PM
ISP Info Assistant	🍏	1.5.2	404K	1000K	1/12/00 at 12:00:00 PM
Key Caps	🍏	8.1.1	100K	350K	7/01/99 at 12:00:00 PM

Keychain Scripting	🍏	2.2	64K	384K	17/09/00 at 12:00:00 PM
Mac OS Setup Assistant	🍏	1.1	220K	500K	27/09/00 at 12:00:00 PM
Macromedia Help Player 4.3.5 FR		4.3.5	1.56 MB	1.95 MB	7/01/98 at 1:53:17 PM
Mail	🍏	1.0.1	8K	200K	1/08/97 at 12:00:00 PM
Make a new item	🍏	2.0.4	8K	76K	3/10/00 at 12:00:00 PM
Make Button.exe		n/a	32K	384K	22/09/00 at 3:42:00 AM
Make Button.exe		6.0	116K	384K	22/09/00 at 3:43:00 AM
Make GIF (128 colors).exe		n/a	32K	384K	22/09/00 at 3:42:00 AM
Make GIF (32, no dither).exe		n/a	32K	384K	22/09/00 at 3:42:00 AM
Make GIF (64 colors).exe		n/a	32K	384K	22/09/00 at 3:43:00 AM
Make JPEG (quality 10).exe		n/a	32K	384K	22/09/00 at 3:43:00 AM
Make JPEG (quality 30).exe		n/a	32K	384K	22/09/00 at 3:43:00 AM
Make JPEG (quality 60).exe		n/a	32K	384K	22/09/00 at 3:43:00 AM
Make Sepia Tone.exe		6.0	112K	384K	22/09/00 at 3:43:00 AM
Make this page speakable	🍏	2.0	20K	384K	13/09/99 at 12:00:00 PM
Make this page speakable	🍏	2.0	20K	540K	13/09/99 at 12:00:00 PM
Make this speakable	🍏	2.0.4	12K	200K	3/10/00 at 12:00:00 PM
Match FontSync Profile	🍏	1.0	32K	200K	2/09/99 at 12:00:00 PM
Match to chosen profiles	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Match to CMYK	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Match to specific profiles	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Messenger Inbox shortcut		n/a	32K	200K	15/08/00 at 5:00:52 PM
Microsoft Clip Gallery		5.0	1.91 MB	5 MB	14/08/00 at 12:00:00 AM
Microsoft Entourage		9.0	3.62 MB	8 MB	14/08/00 at 12:00:00 AM
Microsoft Excel		9.0f2	9 MB	6.19 MB	14/08/00 at 12:00:00 AM
Microsoft Graph		9.0f2	2.16 MB	3.90 MB	14/08/00 at 12:00:00 AM
Microsoft Internet First Run		6.3	3.24 MB	1.56 MB	22/03/00 at 12:00:00 AM
Microsoft Internet First Run		6.3	3.24 MB	1.56 MB	22/03/00 at 12:00:00 AM
Microsoft PowerPoint		9.0f2	6 MB	11 MB	14/08/00 at 12:00:00 AM
Microsoft Word		9.0f2	9.79 MB	9.76 MB	14/08/00 at 12:00:00 AM
Mimic PC monitor	🍏	3.0.3	8K	200K	9/10/00 at 12:00:00 PM
Move this to the Desktop	🍏	2.0.4	8K	200K	3/10/00 at 12:00:00 PM
Move this to the trash	🍏	2.0.4	16K	200K	3/10/00 at 12:00:00 PM
MS Organization Chart 2.1		2.1b18	1 MB	7.81 MB	14/08/00 at 12:00:00 AM
Multi-Size Save.exe		n/a	32K	384K	22/09/00 at 3:43:00 AM

Pfeiffer Consulting 01001011	Client: Apple Computer	Benchmark Report
	Design & Publishing Workflow Benchmark	

733-Mhz POWER MAC G4 PROFILE

Section: Reference		55
For further information contact: reasearch@pfeifferreport.com	May 21, 2001	

	Client: Apple Computer	Benchmark Report
	Design & Publishing Workflow Benchmark	

Apple System Profiler Report - 733-Mhz Power Mac G4

<u>Software overview</u>	<p>Mac OS overview</p> <p>Finder:9.1.1</p> <p>System:9.1 International English</p> <p>Active enabler:Mac OS ROM 7.5.1</p> <p>QuickTime:4.1.2</p> <p>CarbonLib:1.2.5</p> <p>File sharing:is off</p> <p>Multiple Users:1.3.1</p>						
<u>Memory overview</u>	<p>Disk cache:8160K</p> <p>Virtual memory:257 MB</p> <p>Used on volume:G4</p> <p>Built-in memory:256 MB</p> <p>Number of empty RAM slots: 3 (DIMM1/J22,DIMM2/J23,DIMM3/J24)</p> <p>PC100-322S</p> <table> <thead> <tr> <th>Location</th> <th>Size</th> <th>Memory type</th> </tr> </thead> <tbody> <tr> <td>DIMM0/J21</td> <td>256 MB</td> <td>SDRAM</td> </tr> </tbody> </table> <p>Backside L2 cache:256K</p>	Location	Size	Memory type	DIMM0/J21	256 MB	SDRAM
Location	Size	Memory type					
DIMM0/J21	256 MB	SDRAM					
<u>Hardware overview</u>	<p>Machine ID:406</p> <p>Model name:Power Mac G4</p> <p>Keyboard type:Apple Extended Keyboard</p> <p>Processor info:Unknown type</p> <p>Machine speed:733 MHz</p> <p>Nanokernel version: 2.22</p> <p>Nanokernel pool extends: 12</p> <p>Nanokernel scheduled CPUs:1</p> <p>uni-n: 17</p>						
<u>Network overview</u>	<p>Not available Link:n/aSpeed:n/aDuplex:n/a</p>						
<u>Modem</u>	<p>Name:Power Mac G4 Internal 56K</p> <p>Protocol:V.90</p> <p>Version:V2.300-V90</p> <p>Status:Information gathered.</p>						
<u>Open Transport</u>	<p>Installed:Yes</p> <p>Active:Yes</p> <p>Version:2.7.4</p>						
<u>AppleTalk</u>	<p>Installed:Yes</p> <p>Active:No</p> <p>Version:Not available</p>						
<u>TCP/IP</u>	<p>Installed:Yes</p> <p>Active:No</p> <p>Version:2.7.4</p> <p>Personal Web Sharing:is off</p> <p>USB Printer Sharing:Not running (v1.0.1)</p> <p>Netmask:<not available></p>						

Section: Productivity Benchmarks	
For further information contact: reasearch@pfeifferreport.com	May 21, 2001

IP address:<not available>
 Default gateway address:<not available>
 Domain:<not available>
 Name server address:<not available>
 ROM revision:\$77D.45F6
 Boot ROM version:\$0004.14f1
 Mac OS ROM file version:7.5.1
 Serial number:CK112HXF-KKY-ff06
 Software bundle:
 Sales order number:Not applicable

Production information

 Number of files found = 36

<u>File Name</u>	<u>Version</u>	<u>File size</u>	<u>Last modification date</u>
Adobe Gamma	• 3.3	272K	25/08/00 at 2:22:40 PM
~ATM™	• 4.6.1f233	1.60 MB	30/03/01 at 2:28:53 PM
Appearance	• 1.1.4	624K	26/08/99 at 2:00:00 PM
Apple Menu Options	• 1.1.8	76K	30/03/01 at 11:54:53 AM
AppleTalk	• 1.1	212K	1/10/96 at 2:00:00 PM
ColorSync	• 3.0.3	112K	6/11/00 at 1:00:00 PM
Control Strip	• 2.0.3	36K	21/09/00 at 2:00:00 PM
Date & Time	• 8.3.1	144K	28/11/00 at 1:00:00 PM
DialAssist	• 4.0	36K	23/10/00 at 2:00:00 PM
Energy Saver	• 3.0.4	148K	19/01/01 at 1:00:00 PM
Extensions Manager	• 4.0.4	172K	24/07/98 at 2:00:00 PM
File Exchange	• 3.0.4	596K	23/09/00 at 2:00:00 PM
File Sharing	• 9.0.2	520K	27/09/00 at 2:00:00 PM
General Controls	• 8.0	48K	14/09/00 at 2:00:00 PM
Internet	• 1.0.2	268K	12/09/00 at 2:00:00 PM
Keyboard	• 8.5.4	88K	26/01/01 at 1:00:00 PM
Keychain Access	• 2.2	692K	17/09/00 at 2:00:00 PM
Launcher	• 3.1.3	64K	23/08/99 at 2:00:00 PM
Location Manager	• 2.0.1	372K	25/09/00 at 2:00:00 PM
MacTCP DNR	• 1.0	4K	26/08/99 at 2:00:00 PM
Memory	• 8.1.3	84K	27/09/00 at 2:00:00 PM
Modem	• 4.0	148K	23/10/00 at 2:00:00 PM
Monitors	• 8.6.1	112K	25/09/00 at 2:00:00 PM
Mouse	• 8.1.1	60K	10/08/00 at 2:00:00 PM
Multiple Users	• 1.2.2	856K	3/01/00 at 1:00:00 PM
Numbers	• 7.1	16K	17/08/92 at 2:00:00 PM
QuickTime™ Settings	• 4.1.1	132K	27/04/00 at 2:00:00 PM
Remote Access	• 4.0	396K	23/10/00 at 2:00:00 PM
Software Update	• 1.2	204K	9/10/00 at 2:00:00 PM
Sound	• 8.5.4	212K	29/11/00 at 1:00:00 PM
Speech	• 2.0.2	100K	15/09/99 at 2:00:00 PM
Startup Disk	• 9.0.2	180K	15/01/01 at 1:00:00 PM
TCP/IP	• 2.5	288K	3/08/99 at 2:00:00 PM
Text	• 8.0	16K	20/07/99 at 2:00:00 PM
USB Printer Sharing	• 1.0.1	432K	9/10/00 at 2:00:00 PM

Apple QD3D HW Plug-In	🍏 • 1.6	44K	16/04/99 at 2:00:00 PM
AppleScript	🍏 • 1.5.5	772K	7/11/00 at 1:00:00 PM
AppleShare	🍏 • 3.8.8	588K	16/10/00 at 2:00:00 PM
Application Switcher	🍏 • 1.0	88K	3/08/98 at 2:00:00 PM
ATI Graphics Accelerator	🍏 • 5.3.4	948K	22/01/01 at 1:00:00 PM
Audio CD Access	🍏 • 5.2	16K	20/08/99 at 2:00:00 PM
Authoring Support	🍏 • 1.0.1	656K	26/01/01 at 1:00:00 PM
CarbonLib	🍏 • 1.2.5	3.46 MB	6/02/01 at 1:00:00 PM
Color Picker	🍏 • 2.1.1	492K	23/09/97 at 2:00:00 PM
ColorSync Extension	🍏 • 3.0.3	832K	9/10/00 at 2:00:00 PM
Contextual Menu Extension	🍏 • 1.0.2	76K	23/07/97 at 2:00:00 PM
Control Strip Extension	🍏 • 2.0.3	76K	21/09/00 at 2:00:00 PM
Default Calibrator	🍏 • 3.0.3	232K	9/10/00 at 2:00:00 PM
Desktop Printer Spooler	🍏 • 2.2.1	72K	21/08/98 at 2:00:00 PM
Desktop PrintMonitor	🍏 • 2.2.1	80K	30/03/01 at 1:55:45 PM
Disc Burner Extension	🍏 • 1.0	140K	8/01/01 at 1:00:00 PM
DNSPlugin	🍏 • 1.1.3	120K	11/10/00 at 2:00:00 PM
DrawSprocketLib	🍏 • 1.7.5	120K	20/07/00 at 2:00:00 PM
DVD AutoLauncher	🍏 • 1.1	32K	25/02/00 at 1:00:00 PM
DVD Navigation Manager	🍏 • 2.5	1 MB	22/11/00 at 1:00:00 PM
DVD Navigation Manager NV	🍏 • 2.5	1 MB	30/11/00 at 1:00:00 PM
DVD Region Manager	🍏 • 1.1	24K	30/03/01 at 11:56:27 AM
DVD Video Interface	🍏 • 1.0	12K	30/11/00 at 1:00:00 PM
DVDRuntimeLib	🍏 • 2.5	1 MB	30/11/00 at 1:00:00 PM
EnetShimLib	🍏 • 1.5	16K	6/02/01 at 1:00:00 PM
FBC Indexing Scheduler	🍏 • 3.0.2	36K	25/09/00 at 2:00:00 PM
File Sharing Extension	🍏 • 7.6.7	200K	4/10/00 at 2:00:00 PM
File Sharing Library	🍏 • 9.0.2	68K	27/09/00 at 2:00:00 PM
Find By Content	🍏 • 3.0.2	516K	25/09/00 at 2:00:00 PM
FireWire Enabler	🍏 • 2.8.1	116K	22/01/01 at 1:00:00 PM
FireWire Support	🍏 • 2.8.1	256K	22/01/01 at 1:00:00 PM
Folder Actions	🍏 • 1.5.5	32K	31/10/00 at 1:00:00 PM
FontSync Extension	🍏 • 1.0	132K	2/09/99 at 2:00:00 PM
Foreign File Access	🍏 • 5.3.3	40K	2/10/00 at 1:56:00 PM
Heidelberg CMM	🍏 • 3.0.1	184K	7/03/00 at 1:00:00 PM
HID Library	🍏 • 1.5	28K	6/02/01 at 1:00:00 PM
HTMLRenderingLib	🍏 • 1.0.4	472K	6/10/00 at 2:00:00 PM
InputSprocket Extension	🍏 • 1.7.3	504K	7/12/99 at 1:00:00 PM
Internal V.90 Modem	🍏 • 1.3	216K	7/02/01 at 1:00:00 PM
Internet Config Extension	🍏 • 2.0.7	112K	10/10/00 at 2:00:00 PM
ISO 9660 File Access	🍏 • 5.3.3	20K	2/10/00 at 1:56:11 PM
LaserWriter 8	🍏 • 8.7	640K	30/03/01 at 2:29:25 PM
LDAP Client Library	🍏 • 1.0	268K	2/08/99 at 2:00:00 PM
LDAPPlugin	🍏 • 1.1.3	80K	11/10/00 at 2:00:00 PM
Location Manager Extension	🍏 • 2.0	76K	27/10/97 at 1:00:00 PM
MacinTalk 3	🍏 • 1.4	352K	17/04/95 at 2:00:00 PM
MacinTalk Pro	🍏 • 1.4	792K	18/05/95 at 1:00:00 PM
Multi-User Startup	🍏 • 1.3.1	160K	2/10/00 at 2:00:00 PM
NBP Plugin	🍏 • 1.1.3	36K	11/10/00 at 2:00:00 PM

NetSprocketLib	🍏 • 1.7.1	160K	18/08/99 at 2:00:00 PM
Network Setup Extension	🍏 • 1.2	524K	5/10/00 at 2:00:00 PM
NSL UI Library	🍏 • 1.1.3	644K	11/10/00 at 2:00:00 PM
Open Transport	🍏 • 2.7.4	1.19 MB	13/10/00 at 2:00:00 PM
Open Transport ASLM Modules	🍏 • 2.7.4	584K	13/10/00 at 2:00:00 PM
OpenGL Engine	🍏 • 1.2.1	700K	6/11/00 at 1:00:00 PM
OpenGL Library	🍏 • 1.2.1	220K	6/11/00 at 1:00:00 PM
OpenGL Memory	🍏 • 1.2.1	16K	6/11/00 at 1:00:00 PM
OpenGL Renderer	🍏 • 1.2.1	2.70 MB	6/11/00 at 1:00:00 PM
OpenGL Renderer ATI	🍏 • 1.2.3	368K	22/01/01 at 1:00:00 PM
OpenGL Utility	🍏 • 1.2.1	216K	6/11/00 at 1:00:00 PM
OpenTpt Remote Access	🍏 • 4.0	952K	23/10/00 at 2:00:00 PM
OpenTpt Serial Arbitrator	🍏 • 4.0	8K	23/10/00 at 2:00:00 PM
PrintingLib	🍏 • 8.7	884K	13/08/99 at 2:00:00 PM
PrintMonitor	🍏 • 7.1.2f1	64K	25/01/94 at 1:00:00 PM
QD3DCustomElements	🍏 • 1.6	20K	16/04/99 at 2:00:00 PM
QuickDraw™ 3D	🍏 • 1.6	1.21 MB	16/04/99 at 2:00:00 PM
QuickDraw™ 3D IR	🍏 • 1.6	212K	16/04/99 at 2:00:00 PM
QuickDraw™ 3D RAVE	🍏 • 1.6	288K	16/04/99 at 2:00:00 PM
QuickDraw™ 3D Viewer	🍏 • 1.6	124K	16/04/99 at 2:00:00 PM
QuickTime DV Update	🍏 • 4.1.3	112K	20/10/00 at 2:00:00 PM
QuickTime FireWire DV Enabler	🍏 • 2.2	16K	21/03/00 at 1:00:00 PM
QuickTime FireWire DV Support	🍏 • 2.2	180K	21/03/00 at 1:00:00 PM
QuickTime™	🍏 • 4.1.2	1 MB	25/04/00 at 2:00:00 PM
QuickTime™ Module PPC	🍏 • 2.1	632K	7/08/95 at 12:00:00 PM
QuickTime™ MPEG Extension	🍏 • 1.1.2	272K	26/05/99 at 2:00:00 PM
QuickTime™ Musical Instruments	🍏 • 4.1.1	2 MB	30/03/00 at 2:00:00 PM
QuickTime™ PowerPlug	🍏 • 4.1.2	1.75 MB	18/04/00 at 2:00:00 PM
QuickTime™ VR	🍏 • 2.3	340K	13/12/99 at 1:00:00 PM
Remote Only	🍏 • 3.5	4K	30/08/99 at 2:00:00 PM
Security Cert Module	🍏 • 2.2	312K	17/09/00 at 2:00:00 PM
Security Library	🍏 • 2.2	1 MB	17/09/00 at 2:00:00 PM
Security Manager	🍏 • 2.2	296K	17/09/00 at 2:00:00 PM
Security Policy Module	🍏 • 2.2	196K	17/09/00 at 2:00:00 PM
Security Storage Module	🍏 • 2.2	572K	17/09/00 at 2:00:00 PM
Serial Tool	🍏 • 1.0.2a1	36K	21/12/92 at 5:00:00 PM
SerialShimLib	🍏 • 1.5	24K	6/02/01 at 1:00:00 PM
Shared Library Manager	🍏 • 2.0.2	168K	4/08/99 at 2:00:00 PM
Shared Library Manager PPC	🍏 • 2.0.2	208K	4/08/99 at 2:00:00 PM
SLPPlugin	🍏 • 1.1.3	216K	11/10/00 at 2:00:00 PM
Software Update Engine	🍏 • 1.2	764K	9/10/00 at 2:00:00 PM
Software Update Scheduler	🍏 • 1.2	64K	9/10/00 at 2:00:00 PM
SOMobjects™ for Mac OS	🍏 • 2.0.8	136K	14/09/96 at 2:00:00 PM
Sound Manager	🍏 • 3.6.5	264K	30/03/00 at 2:00:00 PM
SoundSprocket Filter	🍏 • 1.7.1	76K	8/09/99 at 2:00:00 PM
SoundSprocketLib	🍏 • 1.7.1	24K	8/09/99 at 2:00:00 PM
SpeakableItems	🍏 • 2.0.4	168K	3/10/00 at 2:00:00 PM
Speech Manager	🍏 • 2.0	32K	1/08/98 at 2:00:00 PM
Speech Recognition	🍏 • 2.0.2	1.41 MB	14/01/00 at 1:00:00 PM

System Monitor Plugins	🍏 • 8.6.1	284K	25/09/00 at 2:00:00 PM
Text Encoding Converter	🍏 • 1.6	872K	5/10/00 at 2:00:00 PM
Text Tool	🍏 • 1.0.1	28K	5/04/91 at 2:00:00 PM
Theater Mode	🍏 • 2.0.1	56K	7/02/01 at 1:00:00 PM
Time Synchronizer	🍏 • 8.3.1	56K	7/11/00 at 1:00:00 PM
TTY Tool	🍏 • 1.0.1	64K	2/04/91 at 2:00:00 PM
Type 1 Scaler	🍏 • 1.0.1	548K	21/12/99 at 1:00:00 PM
UDF Volume Access	🍏 • 1.5.3	368K	27/07/99 at 2:00:00 PM
URL Access	🍏 • 2.3	496K	1/02/01 at 1:00:00 PM
USB Device Extension	🍏 • 1.5	384K	6/02/01 at 1:00:00 PM
USB Printer Sharing Extension	🍏 • 1.0.1	292K	9/10/00 at 2:00:00 PM
USB Software Locator	🍏 • 1.5	24K	6/02/01 at 1:00:00 PM
USBAppleMonitorModule	🍏 • 2.0.3	104K	13/07/00 at 2:00:00 PM
Video Out Default (PAL)	🍏 • 80.0	40K	9/02/96 at 1:00:00 PM
VT102 Tool	🍏 • 1.0.2	160K	2/04/91 at 2:00:00 PM
Web Sharing Extension	🍏 • 1.5.5	376K	6/06/00 at 2:00:00 PM
XMODEM Tool	🍏 • 1.1	68K	22/12/92 at 1:00:00 PM