Benchmark Report

The 30-inch Apple Cinema HD Display Productivity Benchmark

Client: Apple Computer

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About the Benchmark Project
1 Benchmark Overview

This benchmark project was conducted by Pfeiffer Consulting for Apple Computer in order to measure the productivity differences between Apple's 30-inch Cinema HD Display and smaller displays.

1.1 Productivity Benchmarks

The productivity measures covered several application areas: digital imaging, design and publishing, as well as general productivity.

Productivity benchmarks were conducted using a set of workflow specifically defined productivity measures, executed with Adobe InDesign CS2, Photoshop CS2, Illustrator CS2, Microsoft Office 2004, and QuarkXPress 6.5.

Productivity measures were conducted using the Pfeiffer Consulting Methodology for Productivity Benchmarking

2 Hardware and Configuration: Details

2.1 Displays Tested

The following displays were used for the benchmarks:

- 17-inch Samsung SyncMaster Display 172x, with an optimal resolution of 1280 x 1024 pixels
- 30-inch Apple Cinema HD Display, with an optimal resolution of 2560 x 1600 pixels
- Selected benchmarks were also conducted using a 20-inch Apple Cinema HD Display, with an optimal resolution of 1680 x 1050 pixels

2.2 Hardware Configuration

- Benchmarks were conducted on a standard 2.7GHz Power Mac G5 equipped with 2GB of RAM.

2.3 System Software

- All benchmarks were run on a standard, unmodified installation of Mac OS X 10.4.2.
3 About the Benchmarks

3.1 System Setup

• All tests were performed using the standard system installation and configuration.
• All systems were completely reinitialized before tests, using the default values for installation.
• All hard drives were reformatted using a single partition.
• All software was installed from scratch, using default settings.
• No peripherals were connected to the systems during performance benchmarks.

3.2 Benchmark Basics

• All application software was used in its most recent commercially available release: Adobe Photoshop CS2, Adobe Illustrator CS2, Adobe InDesign CS2, Microsoft Office 2004, and QuarkXPress 6.5.

3.3 Application Settings

• All applications were installed specifically for the benchmark project, and used in their standard configurations.

3.4 About the Methodology of the Productivity Benchmarks

Productivity Benchmarks were composed as a number of phases. Every phase of the benchmark was then defined as several sets of clearly defined, repeatable steps. These steps were then executed in a strictly identical way by trained professionals.

Each set of steps was executed three times; the average of all three results were used in the charts. The total times for each benchmark were obtained by cumulating the average measures obtained for each individual set of steps.
4 Productivity Measures: Details

4.1 General Productivity

General Productivity tests measured the time necessary to perform frequently encountered tasks in general computer use. Tests included System and Finder operations, word-processor and spreadsheet tests, as well as some application integration measures.

- Finder Productivity - Multiple File Selection
  This test measured the time to select several designated files in a folder with several dozen documents, displayed in list view. The test included scrolling the window when necessary.

- Applying Repetitive Formatting in Word Processing Document
  The test measured the time to apply formatting to several designated paragraphs in a multi-page word-processing document, including scrolling the window when necessary.

- Combining Text from Multiple Documents (Word Processor)
  The test consisted in cutting and pasting designated portions from two different, open word-processor documents into a new document; switching between windows and scrolling as necessary.

- Cut/Paste Cells in Large Spreadsheet
  The test measured the time to move cells from one designated area in a large spreadsheet into another, scrolling the window as necessary.

- Combining Cells from Multiple Spreadsheets (Excel)
  The test consisted in cutting and pasting designated portions from two different, open spreadsheet documents into a new document; switching between windows and scrolling as necessary.

- Cut/Paste Formatting in Large Spreadsheet (Excel)
  The test measured the time necessary to copy formatting from one master-cell, and applying this formatting to a number of designated, discontinuous cells. The test procedure included making the selection and applying the formatting, scrolling the window when necessary.

- Application Integration (Word/Excel)
  In this test, elements from several Microsoft Office documents were combined through cut and paste, scrolling and repositioning the windows when necessary.
• Moving Files Between Folders (Finder)
The test measured the time necessary to select a group of files and moving it between folders, resizing and repositioning windows as necessary.

• Sorting 400 Junk Mail Messages
This test measured the time necessary to scroll and select junk mail messages in a folder.

4.2 Digital Imaging
Digital imaging productivity measures were defined to document the difference in productivity between the displays, with regards to frequently performed operations in professional digital imaging.

• Cleaning Up Digital Pictures
This test consisted in removing blemishes from an 8MP digital photograph. Images were displayed at 100% in Photoshop, removing blemishes with the clone brush, moving from one image segment to the next with the Hand Tool when necessary.

• Checking High-Resolution Image for Sharpness
This test measured the time necessary to check a 8MP digital photograph for sharpness, starting at the top left corner, moving from one image segment to the next with the Hand Tool when necessary.

• Drag and Drop Editing Between Multiple Images
The test procedure consisted in dragging predefined layers from two separate images into a composite, and positioning them precisely with the mouse, switching images when necessary.

• Drag and Drop Editing Between Photoshop and Illustrator
The test consisted in transferring a graphic element from an Illustrator document into a Photoshop composite, then switching back to Illustrator to make a minor adjustment, as well as transferring and positioning the modified element. The test included zooming and positioning windows if necessary.

• Drag and Drop Editing Between Illustrator and InDesign
The test consisted in transferring a graphic element from an Illustrator document into an InDesign document, then switching back to Illustrator to make a minor adjustment, as well as transferring and positioning the modified element. The test included zooming and positioning windows if necessary.
4.3 Design & Publishing

Design and publishing productivity measures were defined to document the difference in productivity between the displays, with regards to frequently performed operations in page layout applications such as Adobe InDesign CS2 and QuarkXPress 6.5.

• Formatting Text with Stylesheets (InDesign)
  This test measured the time necessary to apply stylesheets to previously designated paragraphs of text in a double page spread, using the mouse and keyboard shortcuts, and moving from one page segment to the next with the Hand Tool when necessary.

• Full-Page Editing (InDesign)
  The test measured the time necessary to move two graphic elements from the left page of a spread to the right page, positioning them precisely in a previously designated area, zooming in and out when necessary.

• Editing with Multiple Palettes (InDesign)
  This test measured the time necessary to make minor modifications in an InDesign document, accessing 3 different docked palettes, opening and closing them if necessary.

• Editing with Multiple Windows (InDesign)
  In this test, a graphic element was transferred from one page of a multi-page document to another. The test included switching between windows, and moving them if necessary.

• Drag and Drop File Placement (Finder/InDesign)
  This test measured the time necessary to place images in an InDesign document, by dragging them from a Finder window into the page layout. The test included moving and resizing window when necessary.

• Fine-Tuning Page Layout in QuarkXPress
  In this test, the position and size of several graphic elements in a page layout was modified using the mouse, moving from one page segment to the next with the Hand Tool when necessary.
<table>
<thead>
<tr>
<th>Section:</th>
<th>Results and Charts</th>
</tr>
</thead>
</table>

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September 2, 2006
## General Productivity: Complete Results

### Finder Productivity - Multiple File Selection

<table>
<thead>
<tr>
<th>Task</th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Files</td>
<td>26.5</td>
<td>20.8</td>
</tr>
</tbody>
</table>

### Applying Repetitive Formatting in Word Processing Document

<table>
<thead>
<tr>
<th>Task</th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply Formatting</td>
<td>35.2</td>
<td>27.1</td>
</tr>
</tbody>
</table>

### Combining Text from Multiple Documents (Word Processor)

<table>
<thead>
<tr>
<th>Paragraphs</th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Para. 1+2</td>
<td>24.1</td>
<td>13.6</td>
</tr>
<tr>
<td>Para. 3+4</td>
<td>32.8</td>
<td>12.3</td>
</tr>
<tr>
<td>Para. 5+6</td>
<td>35.1</td>
<td>13.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>92.0</strong></td>
<td><strong>39.4</strong></td>
</tr>
</tbody>
</table>

### Cut/Paste Cells in Large Spreadsheet

<table>
<thead>
<tr>
<th>Task</th>
<th>17-inch Display</th>
<th>20-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut/Paste Cells</td>
<td>24.9</td>
<td>15.2</td>
<td>10.9</td>
</tr>
</tbody>
</table>

### Combining Cells from Multiple Spreadsheets (Excel)

<table>
<thead>
<tr>
<th>Task</th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Documents</td>
<td>23.6</td>
<td>11.3</td>
</tr>
<tr>
<td>3 Documents</td>
<td>42.6</td>
<td>20.7</td>
</tr>
</tbody>
</table>

---

Time in seconds. Shorter is better.
## The 30-inch Apple Cinema HD Display Productivity Benchmark

### Client: Apple Computer

### Benchmark Report

<table>
<thead>
<tr>
<th>Activity</th>
<th>17-Inch Display</th>
<th>20-Inch Display</th>
<th>30-Inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cut/Paste Formatting in Large Spreadsheet (Excel)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phase 1</td>
<td>24.2</td>
<td>20.2</td>
<td>27.2</td>
</tr>
<tr>
<td>Phase 2</td>
<td>24.9</td>
<td>20.0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>49.1</td>
<td>40.2</td>
<td>27.2</td>
</tr>
<tr>
<td><strong>Application Integration (Word/Excel)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Documents</td>
<td>18.9</td>
<td>10.7</td>
<td></td>
</tr>
<tr>
<td>3 Documents</td>
<td>34.5</td>
<td>17.0</td>
<td></td>
</tr>
<tr>
<td><strong>Moving Files Between Folders (Finder)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moving Files</td>
<td>29.3</td>
<td>15.7</td>
<td></td>
</tr>
<tr>
<td><strong>Sorting 400 Junk Mail Messages</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scan Folder</td>
<td>47.0</td>
<td>35.4</td>
<td></td>
</tr>
<tr>
<td>Scroll/Select Junk Mail</td>
<td>10.5</td>
<td>9.2</td>
<td></td>
</tr>
</tbody>
</table>

Time in seconds. Shorter is better.
General Productivity: Charts

Finder Productivity - Multiple File Selection

Time in seconds. Shorter is better

Select Files

17-inch Display

30-inch Display

0.0 5.0 10.0 15.0 20.0 25.0 30.0

26.5

20.8
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Time in seconds. Shorter is better

Para. 1+2

Para. 3+4

Para. 5+6

Combining Text from Multiple Documents (Word Processor)

0.0 5.0 10.0 15.0 20.0 25.0 30.0 35.0 40.0

24.1

13.6

32.8

12.3

35.1

13.5

17-inch Display

30-inch Display

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The 30-inch Apple Cinema HD Display Productivity Benchmark

Combining Text from Multiple Documents (Word Processor)

<table>
<thead>
<tr>
<th>Time in seconds</th>
<th>0.0</th>
<th>10.0</th>
<th>20.0</th>
<th>30.0</th>
<th>40.0</th>
<th>50.0</th>
<th>60.0</th>
<th>70.0</th>
<th>80.0</th>
<th>90.0</th>
<th>100.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>92.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time in seconds</th>
<th>0.0</th>
<th>10.0</th>
<th>20.0</th>
<th>30.0</th>
<th>40.0</th>
<th>50.0</th>
<th>60.0</th>
<th>70.0</th>
<th>80.0</th>
<th>90.0</th>
<th>100.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-inch Display</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30-inch Display</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time in seconds</th>
<th>0.0</th>
<th>10.0</th>
<th>20.0</th>
<th>30.0</th>
<th>40.0</th>
<th>50.0</th>
<th>60.0</th>
<th>70.0</th>
<th>80.0</th>
<th>90.0</th>
<th>100.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>39.4</td>
</tr>
</tbody>
</table>

- Time in seconds. Shorter is better

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The 30-inch Apple Cinema HD Display Productivity Benchmark

Cut/Paste Cells in Large Spreadsheet

- Time in seconds. Shorter is better

17-inch Display
10.9

20-inch Display
15.2

30-inch Display
24.9

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The 30-inch Apple Cinema HD Display Productivity Benchmark

Time in seconds. Shorter is better.

Combining Cells from Multiple Spreadsheets (Excel)

- 2 Documents: 11.3 seconds (17-inch Display), 23.6 seconds (30-inch Display)
- 3 Documents: 20.7 seconds (17-inch Display), 42.6 seconds (30-inch Display)
Cut/Paste Formatting in Large Spreadsheet (Excel)

Time in seconds. Shorter is better

Phase 1
- 17-inch Display: 24.2
- 20-inch Display: 20.2
- 30-inch Display: 20.2

Phase 2
- 17-inch Display: 24.9
- 20-inch Display: 20.0
- 30-inch Display: 27.2

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The 30-inch Apple Cinema HD Display Productivity Benchmark

Cut/Paste Formatting in Large Spreadsheet (Excel)

Time in seconds. Shorter is better

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Application Integration (Word/Excel)

Time in seconds. Shorter is better

<table>
<thead>
<tr>
<th></th>
<th>2 Documents</th>
<th>3 Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-inch Display</td>
<td>10.7</td>
<td>34.5</td>
</tr>
<tr>
<td>30-inch Display</td>
<td>18.9</td>
<td>17.0</td>
</tr>
</tbody>
</table>

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The 30-inch Apple Cinema HD Display Productivity Benchmark

Moving Files Between Folders (Finder)

Time in seconds. Shorter is better

Moving Files

- 17-inch Display
- 30-inch Display

0.0 5.0 10.0 15.0 20.0 25.0 30.0 35.0

29.3

15.7
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## Digital Imaging: Complete Results

### Cleaning Up Digital Pictures

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>20-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean up Image</td>
<td>52.3</td>
<td>37.8</td>
<td>25.8</td>
</tr>
</tbody>
</table>

### Checking High-Resolution Image for Sharpness

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>20-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check 8MP Image</td>
<td>27.2</td>
<td>18.4</td>
<td>7.2</td>
</tr>
</tbody>
</table>

### Drag and Drop Editing Between Multiple Images

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1</td>
<td>18.3</td>
<td>6.4</td>
</tr>
<tr>
<td>Layer 2</td>
<td>18.2</td>
<td>7.4</td>
</tr>
<tr>
<td>Layer 3</td>
<td>18.0</td>
<td>7.0</td>
</tr>
</tbody>
</table>

### Drag and Drop Editing Between Photoshop and Illustrator

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combine/Adjust Elements</td>
<td>40.2</td>
<td>25.8</td>
</tr>
</tbody>
</table>

### Drag and Drop Editing Between Illustrator and InDesign

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combine/Position Elements</td>
<td>38.5</td>
<td>21.8</td>
</tr>
</tbody>
</table>
Digital Imaging: Charts

Cleaning Up Digital Pictures

Time in seconds. Shorter is better

- 17-inch Display
- 20-inch Display
- 30-inch Display

0.0 10.0 20.0 30.0 40.0 50.0 60.0

Clean up Image

52.3
37.8
25.8

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Modified: September 2, 2006
Checking High-Resolution Image for Sharpness

- 17-inch Display: 27.2 seconds
- 20-inch Display: 18.4 seconds
- 30-inch Display: 7.2 seconds

Time in seconds. Shorter is better.
The 30-inch Apple Cinema HD Display Productivity Benchmark

Client: Apple Computer

Benchmark Report

Drag and Drop Editing Between Multiple Images

<table>
<thead>
<tr>
<th>Layer</th>
<th>Time (seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1</td>
<td>18.3</td>
</tr>
<tr>
<td>Layer 2</td>
<td>18.2</td>
</tr>
<tr>
<td>Layer 3</td>
<td>18.0</td>
</tr>
</tbody>
</table>

Time in seconds. Shorter is better.
**Drag and Drop Editing Between Photoshop and Illustrator**

- **Combine/Adjust Elements**
  - 17-inch Display: 25.8 seconds
  - 30-inch Display: 40.2 seconds

*Time in seconds. Shorter is better.*
### Drag and Drop Editing Between Illustrator and InDesign

<table>
<thead>
<tr>
<th>Time in seconds</th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>38.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Time in seconds. Shorter is better.
### Design & Publishing: Complete Results

#### Formatting Text with Stylesheets (InDesign)

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>20-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply Stylesheets</td>
<td>43.8</td>
<td>35.4</td>
<td>25.2</td>
</tr>
</tbody>
</table>

#### Full-Page Editing (InDesign)

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move/Position Element 1</td>
<td>15.0</td>
<td>7.3</td>
</tr>
<tr>
<td>Move/Position Element 2</td>
<td>20.5</td>
<td>7.1</td>
</tr>
<tr>
<td>Total</td>
<td>35.5</td>
<td>14.4</td>
</tr>
</tbody>
</table>

#### Editing with Multiple Palettes (InDesign)

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switching Palettes</td>
<td>23.7</td>
<td>14.2</td>
</tr>
</tbody>
</table>

#### Editing with Multiple Windows (InDesign)

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move Design Element</td>
<td>20.9</td>
<td>6.9</td>
</tr>
</tbody>
</table>
## Drag and Drop Editing File Placement (Finder/InDesign)

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series 1</td>
<td>15.1</td>
<td>7.4</td>
</tr>
<tr>
<td>Series 2</td>
<td>16.1</td>
<td>7.7</td>
</tr>
<tr>
<td>Total</td>
<td>31.1</td>
<td>15.1</td>
</tr>
</tbody>
</table>

## Drag-and-Drop File Placement with Precision Positioning (Finder/InDesign)

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase 1</td>
<td>14.9</td>
<td>6.0</td>
</tr>
<tr>
<td>Phase 2</td>
<td>31.4</td>
<td>19.1</td>
</tr>
<tr>
<td>Total</td>
<td>46.3</td>
<td>25.0</td>
</tr>
</tbody>
</table>

## Fine-Tuning Page Layout in QuarkXPress

<table>
<thead>
<tr>
<th></th>
<th>17-inch Display</th>
<th>20-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position Elements</td>
<td>27.0</td>
<td>21.0</td>
<td>16.4</td>
</tr>
</tbody>
</table>
Design & Publishing: Charts

Formatting Text with Stylesheets (InDesign)

Time in seconds. Shorter is better

Apply Stylesheets

- 17-inch Display
- 20-inch Display
- 30-inch Display

0.0 5.0 10.0 15.0 20.0 25.0 30.0 35.0 40.0 45.0 50.0

- 43.8
- 35.4
- 25.2

Section: Results and Charts

For further information contact: research@pfeifferreport.com

Modified: September 2, 2006
### Full-Page Editing (InDesign)

- **Move/Position Element 1**
  - 17-inch Display: 7.3
  - 30-inch Display: 15.0

- **Move/Position Element 2**
  - 17-inch Display: 7.1
  - 30-inch Display: 20.5

*Time in seconds. Shorter is better.*
Full-Page Editing (InDesign)

Time in seconds. Shorter is better.

- Total:
  - 17-inch Display: 14.4 seconds
  - 30-inch Display: 35.5 seconds

**Client:** Apple Computer

**Benchmark Report**

**Section:** Results and Charts

For further information contact: research@pfeifferreport.com

**Modified:** September 2, 2006
The 30-inch Apple Cinema HD Display Productivity Benchmark

**Editing with Multiple Palettes (InDesign)**

Time in seconds. Shorter is better

<table>
<thead>
<tr>
<th>Comparison</th>
<th>17-inch Display</th>
<th>30-inch Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switching Palettes</td>
<td>23.7</td>
<td>14.2</td>
</tr>
</tbody>
</table>
The 30-inch Apple Cinema HD Display Productivity Benchmark

Editing with Multiple Windows (InDesign)

Time in seconds. Shorter is better

- 17-inch Display
- 30-inch Display

For further information contact: research@pfeifferreport.com
The 30-inch Apple Cinema HD Display Productivity Benchmark

**Drag and Drop Editing File Placement (Finder/InDesign)**

- **Series 1**
  - 17-inch Display: 15.1 seconds
  - 30-inch Display: 7.4 seconds

- **Series 2**
  - 17-inch Display: 16.1 seconds
  - 30-inch Display: 7.7 seconds

Time in seconds. Shorter is better.
The 30-inch Apple Cinema HD Display Productivity Benchmark

Drag and Drop Editing File Placement (Finder/InDesign)

- Time in seconds. Shorter is better
- Total for 30-inch Display: 31.1 seconds
- Total for 17-inch Display: 15.1 seconds

For further information contact: research@pfeifferreport.com

Modified: September 2, 2006
The 30-inch Apple Cinema HD Display Productivity Benchmark

Drag-and-Drop File Placement with Precision Positioning (Finder/InDesign)

Time in seconds. Shorter is better

Section: Results and Charts
For further information contact: research@pfeifferreport.com

Modified: September 2, 2006
The 30-inch Apple Cinema HD Display Productivity Benchmark

Drag-and-Drop File Placement with Precision Positioning (Finder/InDesign)

Time in seconds. Shorter is better.

Client: Apple Computer

For further information contact: research@pfeifferreport.com
Fine-Tuning Page Layout in QuarkXPress

Position Elements

- 17-inch Display: 16.4 seconds
- 20-inch Display: 21.0 seconds
- 30-inch Display: 27.0 seconds

Time in seconds. Shorter is better.

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Section: Results and Charts

Modified: September 2, 2006