Software Evaluation Guide for Adobe* Photoshop Elements* 6.0

http://www.intel.com/performance/resources

Version 2007-09
Rev 1.0

Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, visit Intel Performance Benchmark Limitations (http://www.intel.com/performance/resources/limits.htm).

Information in this document is provided in connection with Intel products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications.

Intel may make changes to specifications and product descriptions at any time, without notice.

Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined." Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them.

Intel® Processors may contain design defects or errors known as errata. Current characterized errata are available on request.

Hyper-Threading Technology requires a computer system with an Intel® Pentium® Processor Extreme Edition 840 or an Intel Pentium 4 Processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/info/hyperthreading for more information including details on which processors support HT Technology.

Contact your local Intel sales office or your distributor to obtain the latest specifications and before placing your product order.

Copies of documents which have an ordering number and are referenced in this document, or other Intel literature, may be obtained by calling 1-800-548-4725 or by visiting Intel's Website at http://www.intel.com.

* Other names and brands may be claimed as the property of others.

About this Document

This document is a guide measuring performance of the Intel® Processors on application software. The primary audience for this document includes individuals, publications, OEMs and technical analysts whose goal is to test or evaluate the performance benefits and features of the Processor. If there are questions that are not answered here on software application performance evaluation of the Processor, please contact your Intel representative.

Each software application test measures different aspects of processor and/or system performance. While no single numerical measurement can completely describe the performance of a complex device like a microprocessor or a personal computer, application tests can be useful tools for comparing different components and systems. The following results and procedures give a glimpse of the performance of certain software applications, however your own usage of each application may vary from what is shown here. The only totally accurate way to measure the performance of your system, is to test the actual software applications you use, in the way you use them, on your computer system. Test results published by Intel are measured on specific systems or components using specific hardware and software configurations, and any differences between those configurations (including software) and your configuration may make those results inapplicable to your component or system.

Software application tests are, at most, only one kind of information that you may use during the purchasing process. To get a true picture of the performance of a component or system you are considering purchasing, you must consult other sources of information (such as performance information on the exact system you are considering purchasing). If you have any questions about the performance of any Intel microprocessor, please view the detailed performance briefs and reports published by Intel or call Intel at (US) 1-800-628-8686 or 916-356-3104.

Chapter 1

Processor Performance on Adobe* Photoshop Elements* 6.0

1.0 Software Description

Adobe* Photoshop Elements* 6.0 is a program that enables users to organize, edit and enhance photos. Advance options allow users to create composites using special effects, texts, and graphics.

For more information go to http://www.adobe.com/products/photoshopelwin/main.html

1.1 Workload Description

The workload is to run the auto smart fix feature from Adobe* Photoshop Elements* 6.0 to correct and enhance 103 jpeg images. The average size of the images is about 600KB.

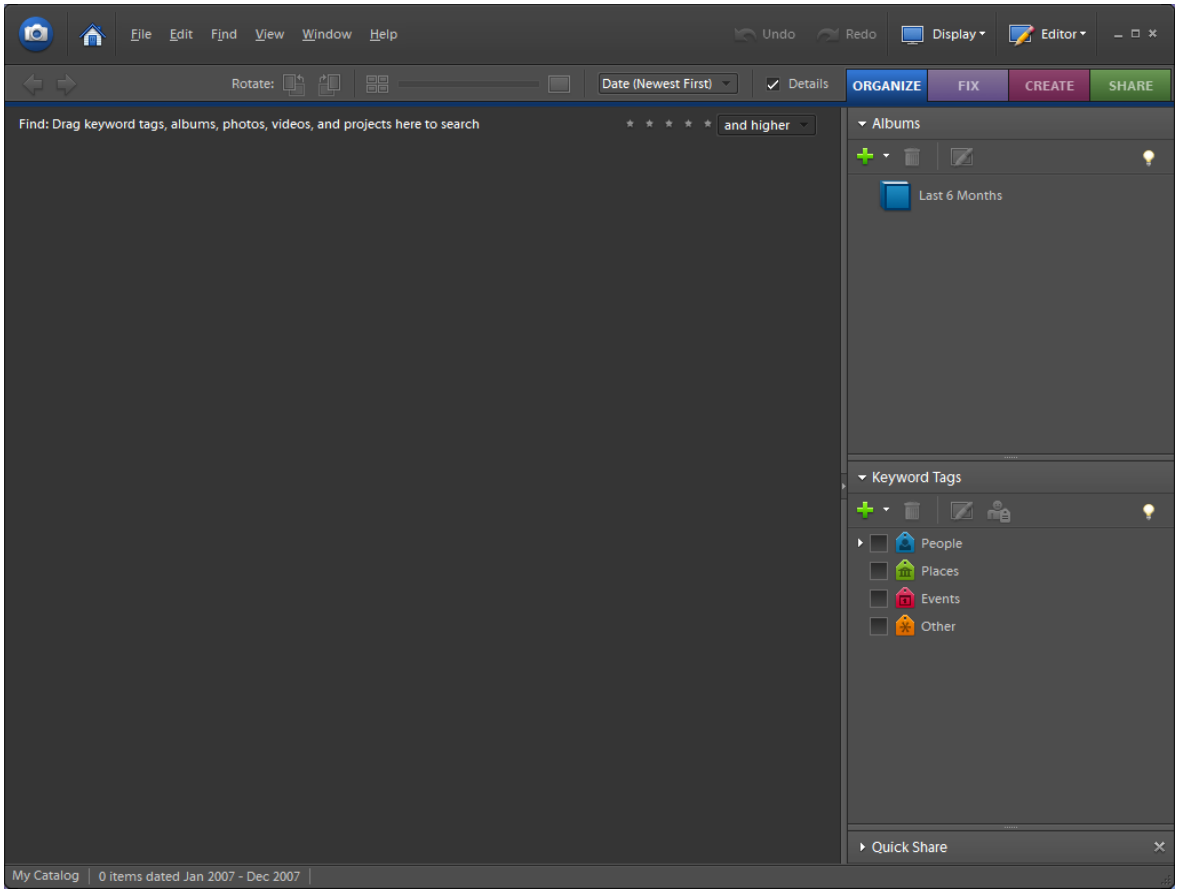
Chapter 2
Procedure for Evaluating Processor Performance

The following is a procedure for evaluating processor performance using Adobe* Photoshop Elements* 6.0. Run this test on a system running ***Windows* XP*****.**

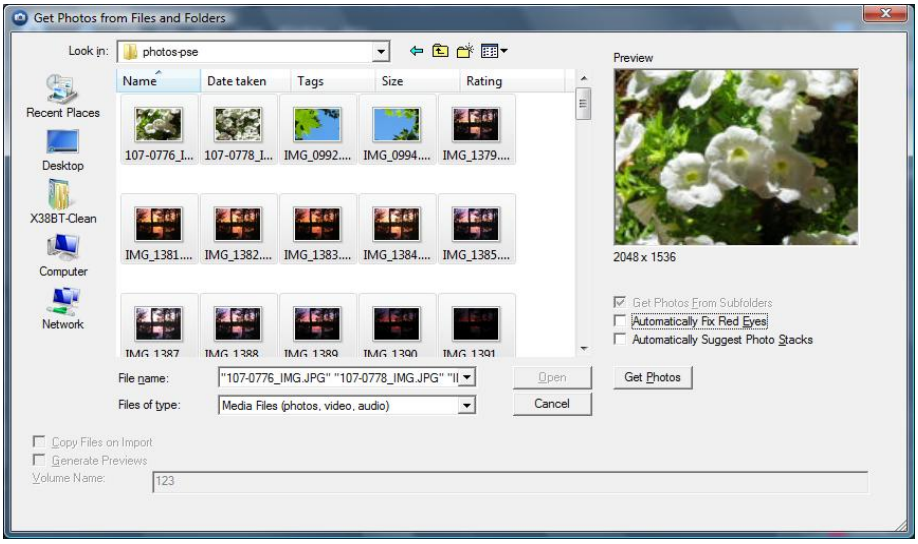
Run Instructions:

1. Install Adobe* Photoshop Elements* 6.0 using default settings.
2. Reboot your system
3. Double-click the Photoshop Elements* 6.0 icon on your desktop to launch the application.

4. Click on the round blue icon which says Organize. In the drop-down menu on the bottom left of the screen, you may also select Start up with Organizer to bypass this screen on future runs. The Organizer window will appear as shown below.

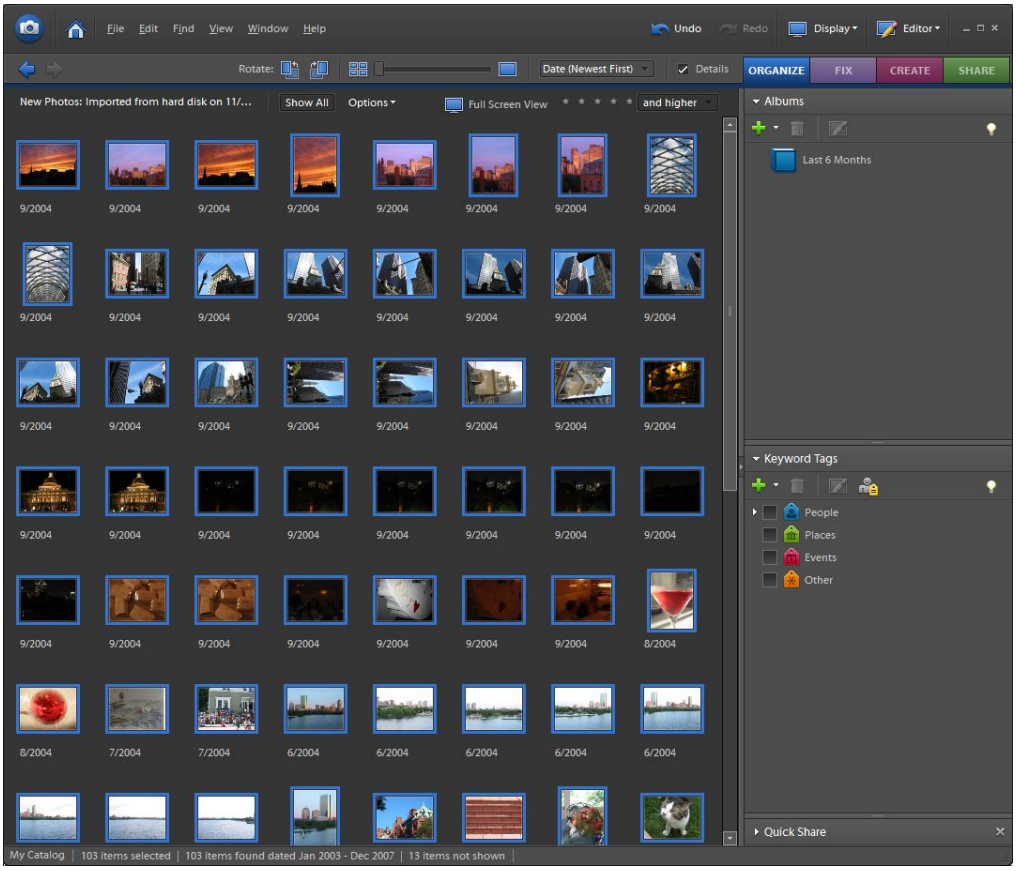


5. From the File menu, select File->Get Photos and Videos->From Files and Folders… Navigate to where your photos are stored.

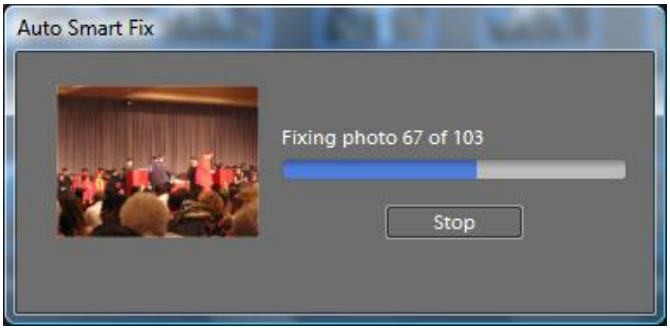


6. Select all the photos in your Photoshop Workload. Deselect the checkmark to Automatically Fix Red Eyes. Click the Get Photos button. Once the new photos have been added, select one of

the photos in the window. Next, click CTRL-A to select all the new photos in the window. There should be 103 photos selected.



7. Enter Control-Alt-M to run “Auto Smart Fix Selected Photos.” Start your stopwatch at the same time. The progress dialog below will appear.



8. When all photos have finished being fixed, the progress dialog will disappear. Stop your stopwatch at the same time. This is how long the system took to complete the auto smart fix of the selected photos.

Running the Test Using a Script (Optional)

- You also have the option of running this workload with an automated script.
- Before running the script, set up the application and workload similar to how it is set up for a manual run. Then close all of the application windows.

- The workload input folder named pse-photos should be placed in c:\SEGs.
- Note that the catalog file containing the pictures in pse-photos should already be set up prior to running the script. The script doesn't set up a new catalog file or import new photos. It uses the default catalog file opened by PSE. This means that when PSE is opened, the 103 photos that will be smart fixed should already exist in the catalog and open up. When the script is finished, it will automatically remove the 103 photos that were fixed and leave the catalog with the original 103 photos.
- It's also recommended to run the script once manually as a cross check on your script times. The script timing measures the same function as measured in hand-timing and is expected to be very close to the stopwatch time.
- Minimize or close other open windows before running the script.
- Double-click on the script .exe to start execution.
- When the script is finished running a dialog will pop up displaying the time in seconds.