

Flash Programs for Understanding Image Processing - Compiled Evaluation Report

Six peer reviewers rated each of the following evaluation items. The results below show the averages of their ratings, ranging from the lowest of one star (★= Strongly Disagree) to the most favorable rating of 5 stars (★★★★★=Strongly Agree).

Interface Design

1. The navigation system is easy to use.	★★★★ ¹ / ₄
2. The information, graphics, etc. are uncluttered.	★★★★ ¹ / ₄
3. The set of Learning Objects uses highly readable colours, fonts and text sizes.	★★★★ ¹ / ₂
Average Rating for The Interface Design*	★★★★ ¹ / ₂

4. Comments about the Interface Design (Optional):

Reviewer 1: It lacks some step by step procedures, hard to follow in first time. e.g. The selected area does not very clearly show the purpose

Reviewer 2: Interface is well done. After a few minutes I figured out what all the controls did by just by "playing" around. Once you learn one module, the others are similar and very easy to use.

Reviewer 3: The interface is well-design with well presentable structure. ALL the useful information can be read directly from the interface.

Quality of Content

5. The set of Learning Objects is free of spelling and grammatical errors.	★★★★ ³ / ₄
6. The set of Learning Objects is free of informational errors.	★★★★ ¹ / ₂
7. The Flash programs operate smoothly.	★★★★ ³ / ₄
8. The content is well organized and all information can be easily located.	★★★★ ¹ / ₄
Average Rating for The Quality of Content*	★★★★ ¹ / ₂

9. Comments about the Quality of the Content (Optional):

Reviewer 2: Very cool algorithms. Nice that the students can see the exact code operating. I also like that you can play around with the "kernels" for some of the operators.

Reviewer 3: Some Flash programs are running slower than the others. Just a bit annoying to open a new windows everytime and load the Flash program.

Reviewer 4: Quality excellent for this kind of learning object.

Learning Potential

10. The Learning Objects present concepts, models, and skills which could aid students' understanding of the topic being presented.	★★★★ ³ / ₄
11. Learners are required to use the Learning Objects in an interactive way.	★★★★ ¹ / ₂
12. The Learning Objects provide the learner with appropriate and useful feedback when necessary.	★★★★ ¹ / ₄
13. The Learning Objects could be easily incorporated into various course structures.	★★★★ ¹ / ₄
Average Rating for The Learning Potential*	★★★★ ¹ / ₂

14. Comments about the Learning Potential (Optional):

Reviewer 1: It may spend a lot of time to develop a flash teaching material, and teachers may not used to this new type of materials. It can be solved if there's a generic development kits for them.

Reviewer 2: There are existing software packages that instructors can use to show these image operations. However, existing packages are commerical (like Adobe Photoshop) or platform specific (like GIMP). What I really like about this is that it is done in Flash, so it can be used on all platforms and over the web. This gives it a lot of potential over existing apps. I'll would dfinitely such flash apps in my class. I wish there were more! Lots of topics could be worked on.

Reviewer 3: The explanation notes quite useful and help a lot in understanding the concepts behind. And I found it is good that these notes can be hidden.

Reviewer 4: From my experience this kind of resource is a very good way to getting students up to speed very quickly. It contains mechanisms for the student to quickly grasp the general principles and also to get into the details of the algorithms.

Quality of the LRC Record

15. The educational aims/goals are well described in the LRC.	★★★★½
16. The educational level is clearly identified in the LRC record.	★★★★¼
17. The author has given enough information in the LRC for users to effectively and efficiently use the set of Learning Objects.	★★★★¼
18. Overall, the information given in the LRC record accurately matches the set of Learning Objects.	★★★★¼
Average Rating for The Quality of the LRC Record*	★★★★¼

19. Comments about the Resource Record (Optional):

Reviewer 3: There are 23 records come out when I tried the key word "image processing" in the search.
Reviewer 4: I would recommend adding a sentence to the general discription pointing out that there is a powerful trace facility when running the programs. [For information: The 'discipline' entry lists Artificial Intelligence, but this resource is not related - this may be down to the classification headings in LRC, but AI should be removed is possible.]

General Comments

20. General Comments about the set of Learning Objects (Optional):

Reviewer 2: Nice set of Macroflash image-processing apps. Easy to use, and shows common image operations. Very useful.
Reviewer 3: A Good project!
Reviewer 4: A very useful and helpful learning resource. The demonstrations are comprehensive and easy to use. A very worthwhile project with clear aims and producing excellent results.

Average Overall Rating*	★★★★½
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*Rounded to the nearest 0.25