

University of Puerto Rico
Department of Electrical and Computer Engineering

ICOM 4015 Laboratory: Advanced Programming

Laboratory 5: Image Transitions

Completed by:
ID:
Date:

1 Introduction

In this laboratory we will learn how to use iteration to copy images from one frame to another using different transition effects.

2 Contents:

This laboratory will make use of 3 classes:

1. LeftPanel
2. RightPanel
3. TransitionTester

Import into Eclipse the archive file provided along with this document to access the classes. If you have any doubts, the T.A. will teach you how to import compressed projects into the workspace.

3. Classes overview: Make sure you spend some time reading the code and understanding how these classes work before you come to the lab.

1. **LeftPanel** : This class represents a JPanel that holds a source image of your choice.
2. **RightPanel** : This class represents a JPanel that displays the same image displayed on the source (left) window repeatedly, each time using a different transition effect.
3. **TransitionTester**: This class displays a file chooser to select an image file. Then it creates two frames, displays the selected image once on the left frame, and goes into an infinite loop continuously redisplaying the image on the right frame each time using a different transition.

Run the application as you received it and study the code to understand how everything works. In particular figure out how the *repaint* method from the *JFrame* class is used in combination with delays in order to get the desired transition effects. Select an image of your choice that is wider than taller and no larger than 400 pixels wide by 500 pixels tall.

