**Image Processing**

Course work 2
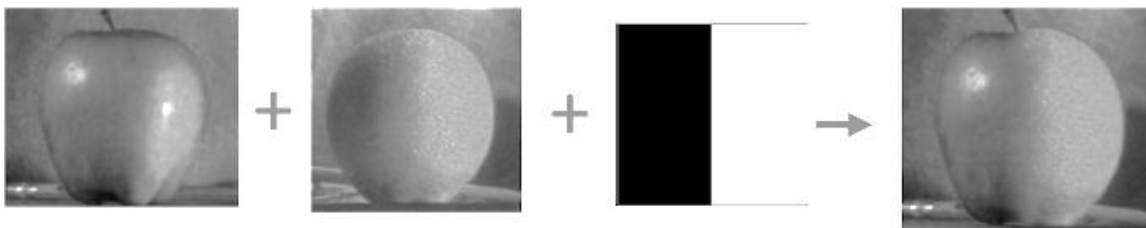
(deadline: October, 21)

**Combination of images using Laplacian pyramids**

In your written report, please describe every step in your processes in great detail (including the creation of your image mask), include figures. Share the whole process followed (errors included), your resources, research, findings, outcomes, lessons, conclusions, etc.

**Part 1**

Given 2 input gray-scale images, create a **binary** image mask and blend the images in a seamless way. The gray-scale resulting image should show a **smooth transition** between the two images (from side to side). **40 pts.**

Find a visual guideline for this task below.



**Part 2**

Part 2 is very similar to part 1, in theory. This time, you will create your own 2 input color images. Be creative and have fun with it, you could use your camera phone, but you need to consider an ideal angle and light settings (right?).

Next, create a **gray-scale** image mask (how will you do it?). Consider the characteristics of you input images.

Once everything is ready, blend the images in a seamless way. The **color resulting** image should show a **smooth transition** between the two images). **60 pts.**

Find an example below.