Announcement for Programming Homework Assignment

In part II, question 1(c) of your programming homework, the command "imresize" requires the "image processing" toolbox. There are several licenses of the toolbox in the lab (LSB232). In case you can't use it because of many concurrent users, you can use "CustomImresize", which is uploaded in the course webpage. It will enlarge the image by 2 times using bicubic interpolation.

In part II, question 1(d) of your programming homework, you may use "imshow" and a "for" loop to play the video. For the usage of "imshow", you can search it in "demo".

CustomImresize.m is as follows:

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function B = CustomImresize(I)
% This function enlarge an m1xm2 image to an 2m1x2m2 image using bicubic
interpolation

% Input:   I is the original image
% Output:  B is the enlarged image

   I = double(I);
   [m1,m2] = size(I);
   [mgx,mgy] = meshgrid(1:m2,1:m1);
   [mgx2,mgy2] = meshgrid(linspace(1,m2,2*m2), linspace(1,m1,2*m1));
   B= interp2(mgx, mgy, I, mgx2, mgy2, 'cubic');

end
```

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