Digital-Image-Processing-Essays

In this project, I have reproduced six classical papers and finally a demo is presented.
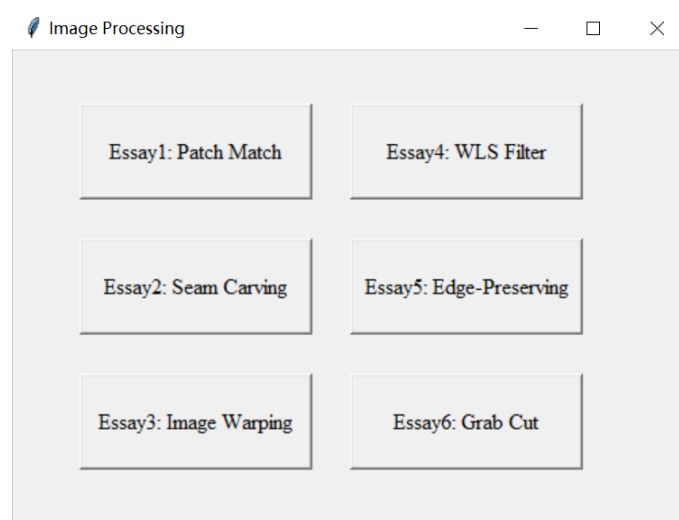
The total six papers reproduced are showing below:

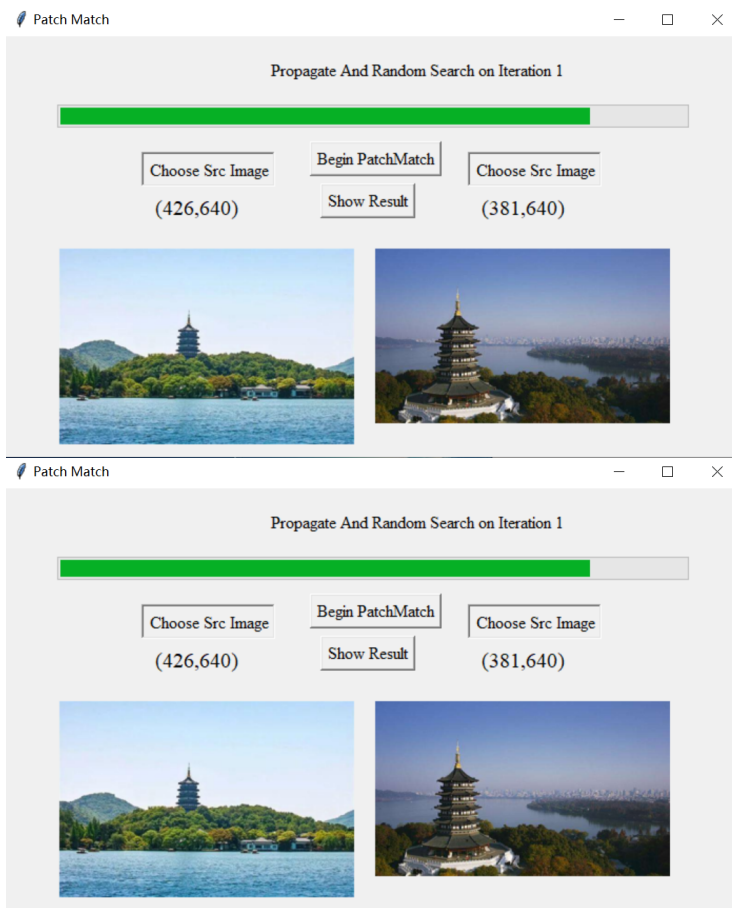| No.	Paper Reproduced
1	PatchMatch: A Randomized Correspondence Algorithm for Structural Image Editing
2	Seam Carving for Content-Aware Image Resizing
3	Image Deformation Using Moving Least Squares
4	Edge-Preserving Decompositions for Multi-Scale Tone and Detail Manipulation
5	Edge-preserving Multiscale Image Decomposition based on Local Extrema
6	"GrabCut" — Interactive Foreground Extraction using Iterated Graph Cuts

How to Run this Demo?

When downloading this project, all you have to do is simply running the file named "Eassy_Demo.py".

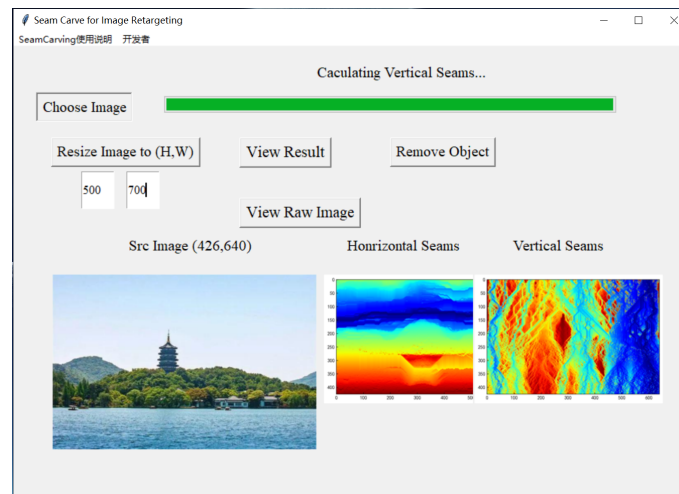Firstly when you run "Eassy_Demo.py", you will see the main menu:
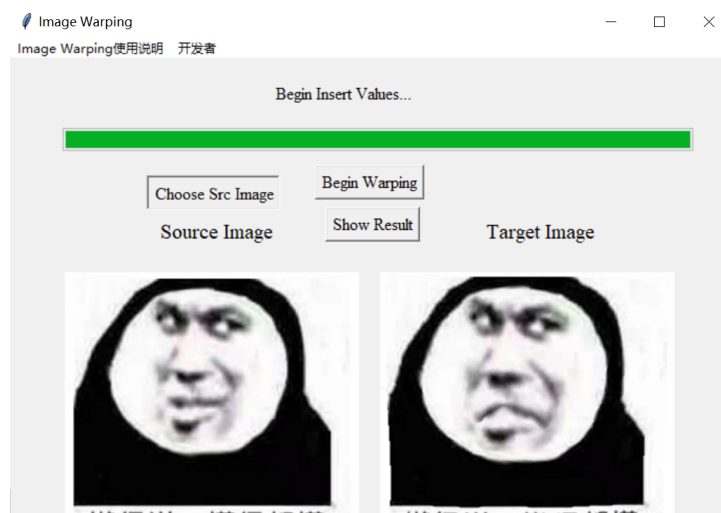

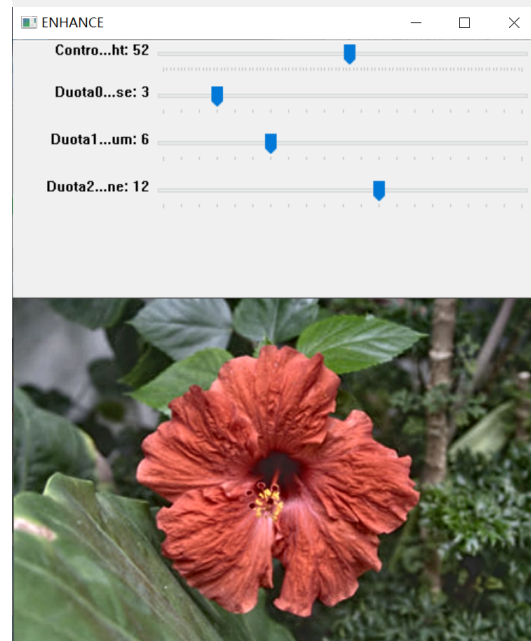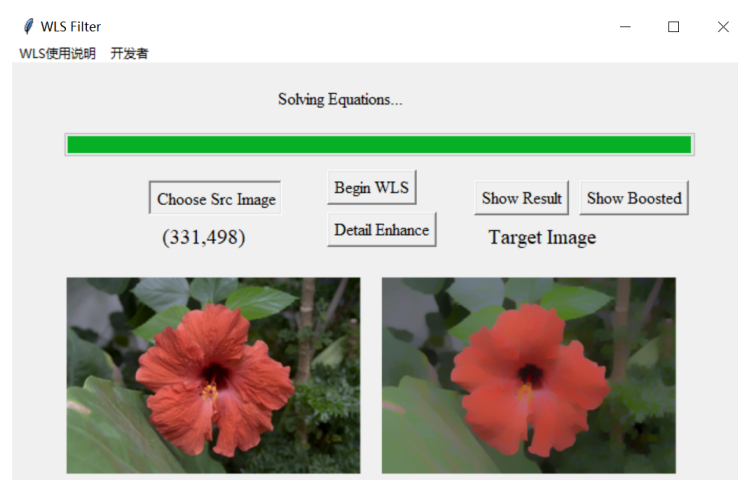## Running Results?

Results of the No. 1 paper:

Results of the No. 2 paper:

Results of the No. 3 paper:

Results of the No. 4 paper:

Results of the No. 5 paper:

Results of the No. 6 paper:

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The End.