

Computer Vision Project 4A

Task I : Seam Carving

- To reproduce the results run `test_script.m` (with appropriate file name of image).

Sample 1 Input image (cw.jpg original size: 300*300)



Reduction 1

(by 100 rows, result 'cw_row_reduced100.png'
final size: 200*300)



Reduction 2

(by 50 rows and 50 columns, result in
'cw_reduced.png' final size: 250*250)

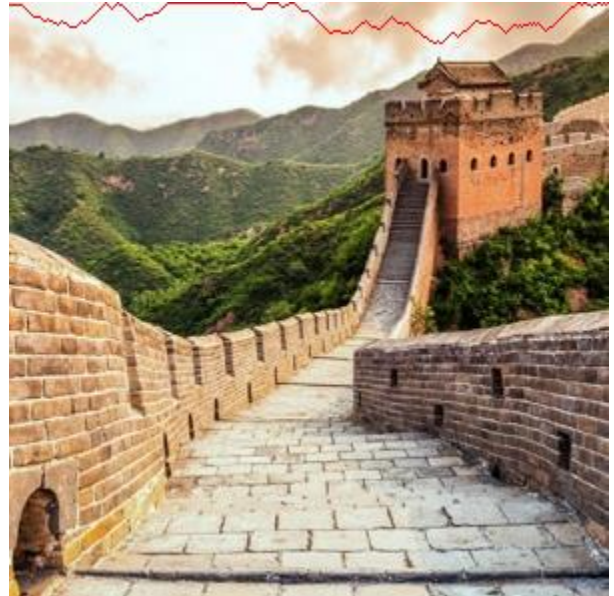


Reduction 2 sample vertical horizontal seams

Sample vertical seam for above reduction



Sample horizontal seam for above reduction



Sample 2 Input Image (original size: **320*480**)



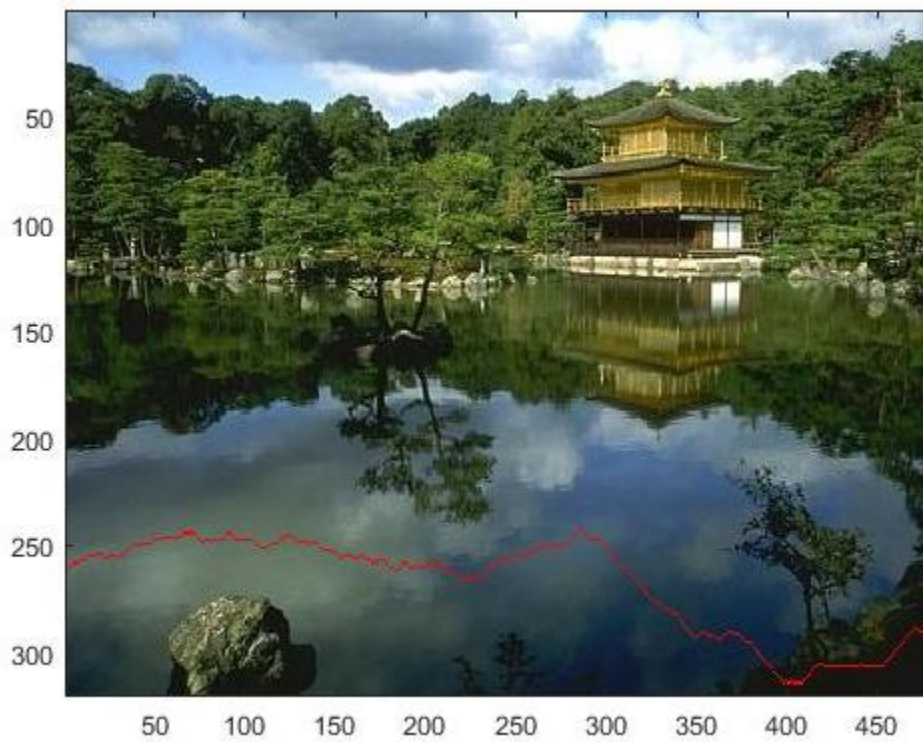
Reduction 1 Reduce by 100 rows (final image size: **220*480**)



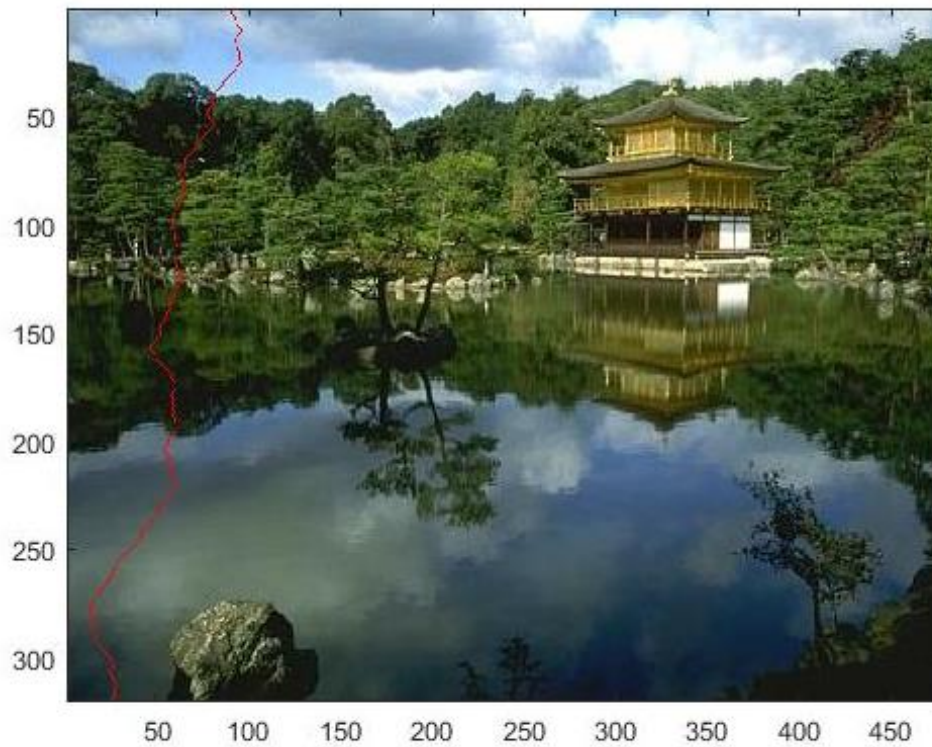
Reduction 2 reduce by 50 rows and 50 columns (final image size: **270*430**)



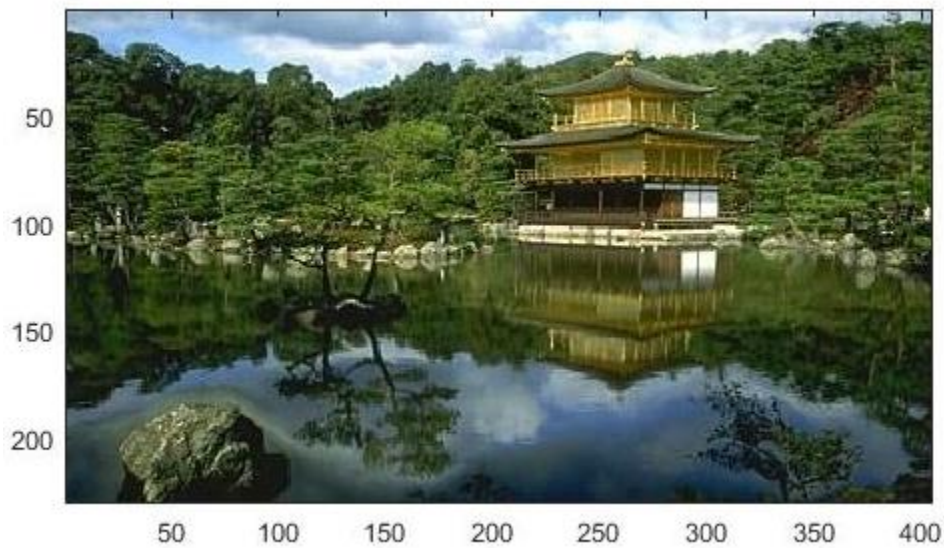
Horizontal Seam Sample



Vertical Seam Sample



Reduction 3 Reduce by 90 rows and 75 columns (final image size: **230*405**)



Task II : Image Blending

Source Image



Target Image



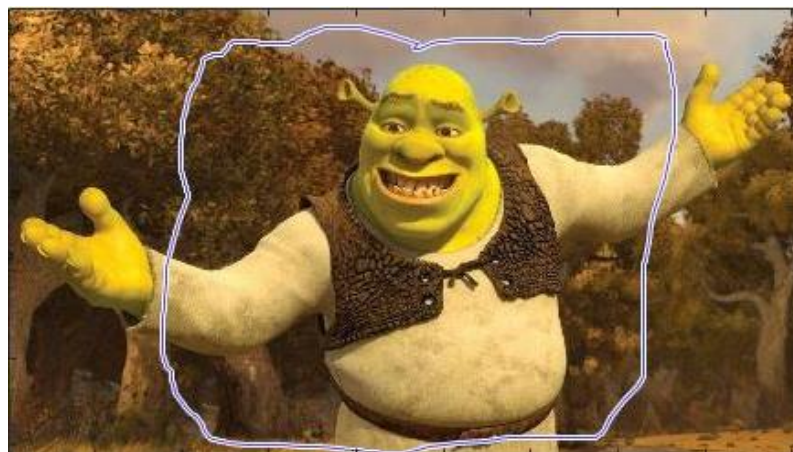
Result of Image Blending



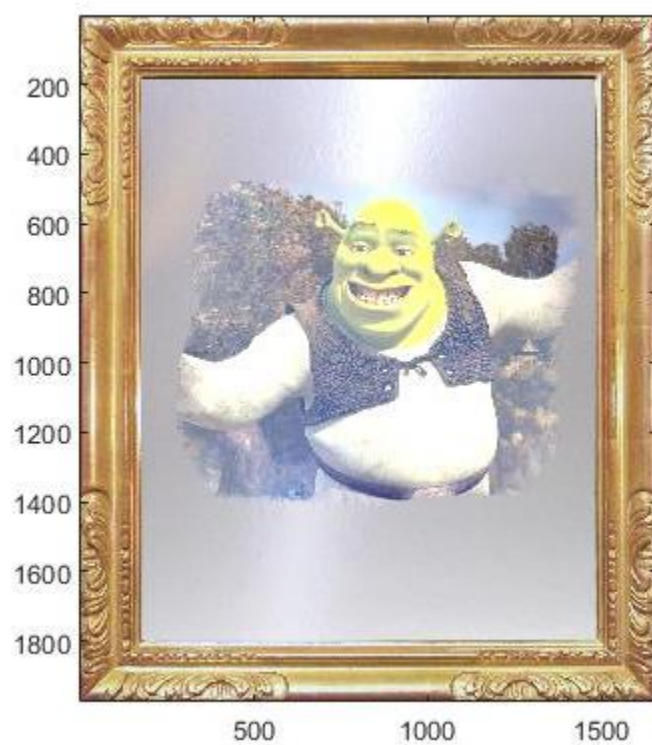
Source Image



Target Image



Result of Image Blending



Source Image



Target Image



Result of Image Blending



- To **reproduce** the result, run the file 'demo_blending.m' with appropriate file names in the folder 'blending'
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