Computer Vision
Spring 2020
Problem Set #4

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1a: Base Shift0 and ShiftR2

ps4-1-a-1

1a: Base Shift0 and ShiftR5U5

ps4-1-a-2

1b: Base Shift0 and ShiftR10

ps4-1-b-1

1b: Base Shift0 and ShiftR20

ps4-1-b-2

1b: Base Shift0 and ShiftR40
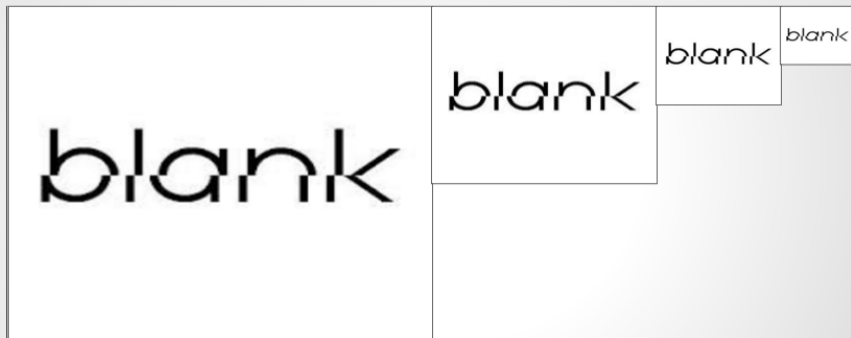

ps4-1-b-3

1b: Text Response

Does LK still work? Does it fall apart on any of the pairs? Try using different parameters to get results closer to the ones above.
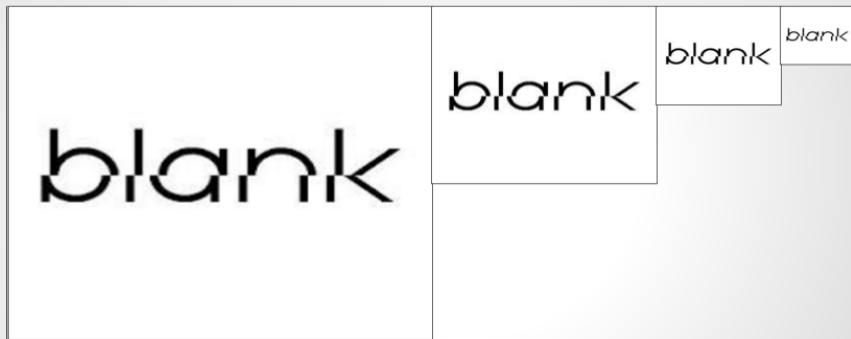
Describe your results and what you tried.

I think
my answer is ...

2a: Gaussian Pyramid

ps4-2-a-1

2b: Laplacian Pyramid

ps4-2-b-1

3a: Difference images

ps4-3-a-1

3a: Difference images (cont.)

ps4-3-a-2

4a: Hierarchical LK

ps4-4-a-1

4a: Hierarchical LK (cont.)

ps4-4-a-2

4a: Hierarchical LK (cont.)

ps4-4-a-3

4b: Hierarchical LK (cont.)

ps4-4-b-1

4b: Hierarchical LK (cont.)

ps4-4-b-2

5a: Frame Interpolation

ps4-5-a-1

5b: Frame Interpolation

ps4-5-b-1

5b: Frame Interpolation

ps4-5-b-2

6: Challenge Problem

ps4-6-a-1

6: Challenge Problem (cont.)

ps4-6-a-2

6: Challenge Problem (cont.)

Video link:

www.yourlink.com

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https://smallpdf.com/compress-pdf

Verify that all images are still visible for grading.