

CS676A - Assignment 2 (Group 1)

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Shubham Jain (13683), Vikas Jain (13788)

We obtained the results by changing 4 parameters:

1. Threshold for harris operator f (1*average, 2*average, 3*average, 4*average) (**param 1**)
2. Window size to obtain H matrix (10X10, 12X12, 14X14) (**param 2**)
3. Window size to obtain maximum of f (32X32, 40X40, 48X48) (**param 3**)
4. Window size of descriptor (16X16, 24X24, 32X32, 40X40, 48X48, 56X56, 64X64) (**param 4**)

Link to all result images:

<https://drive.google.com/folderview?id=0B1Y4inhbx3CzQ3N0Y3F2a0JaY3M&usp=sharing>

We show here best matches obtained for each value of **param 4**:

- Image Set 1

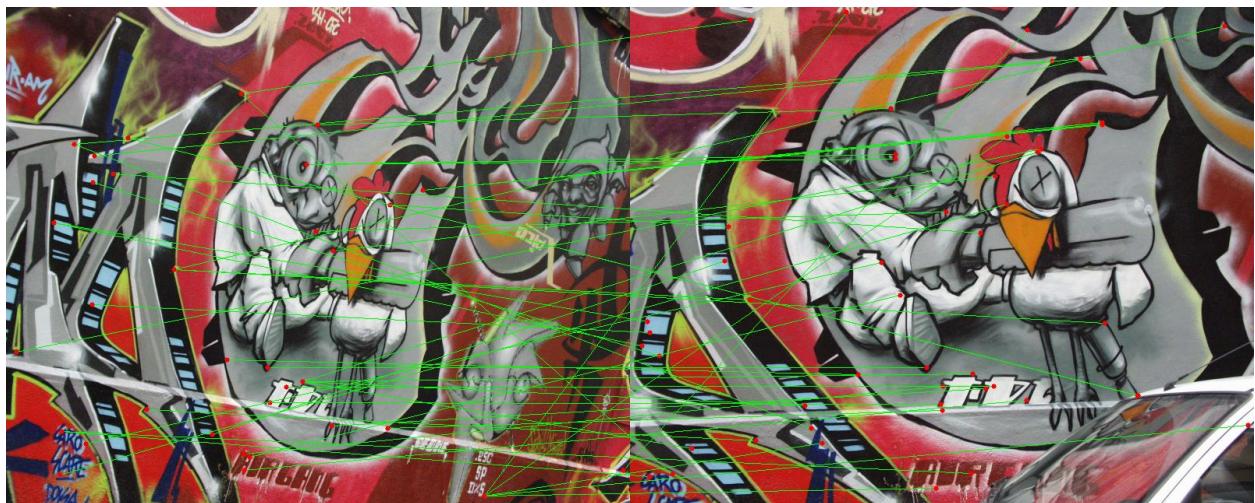
param 4 = 16X16 , param 1 = 2, param 2 = 12X12, param 3 = 16X16



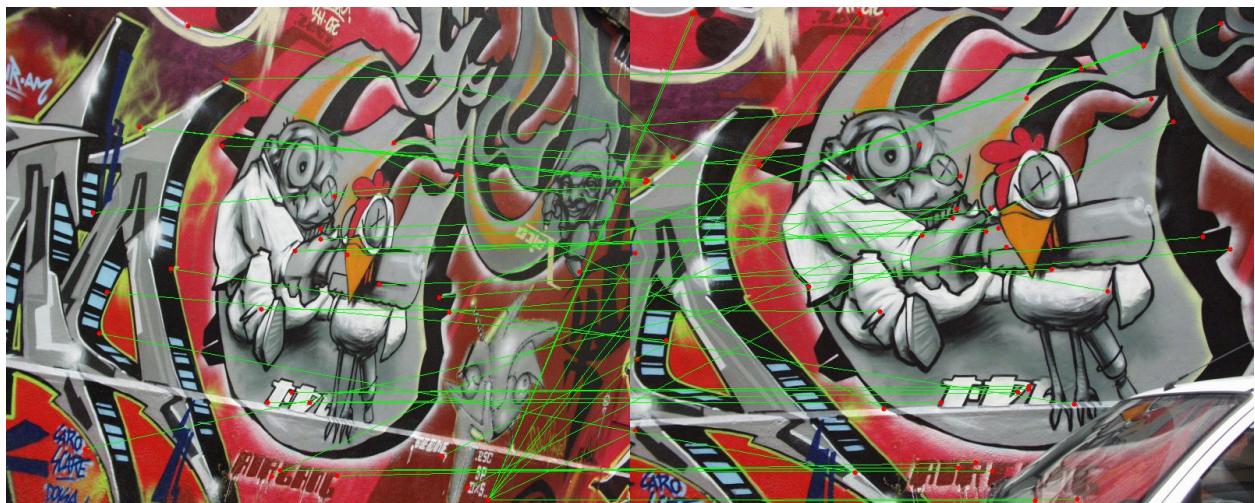
param 4 = 24X24 , param 1 = 4, param 2 = 14X14, param 3 = 16X16



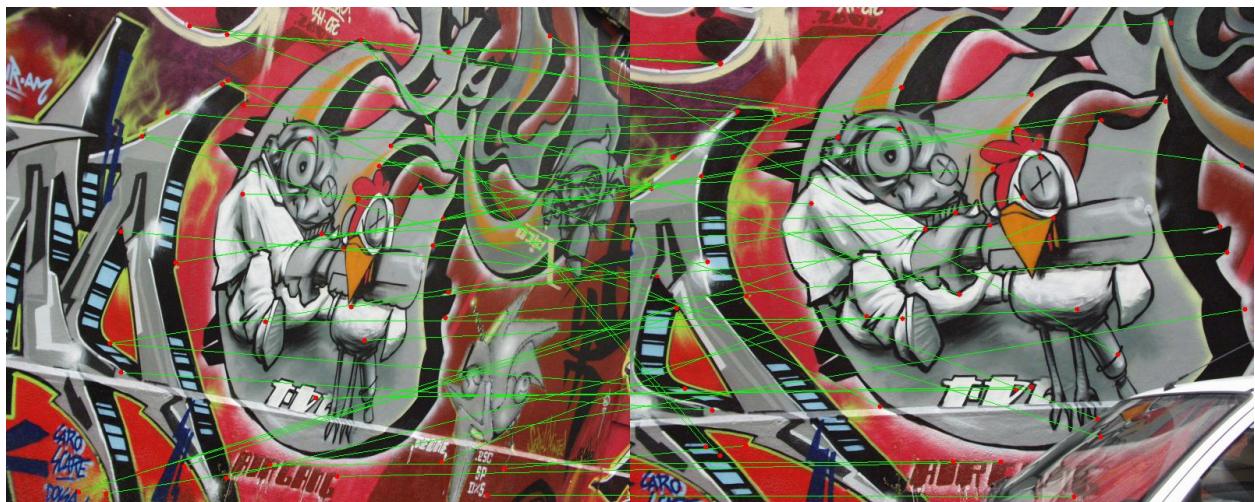
param 4 = 32X32 , param 1 = 4, param 2 = 14X14, param 3 = 16X16



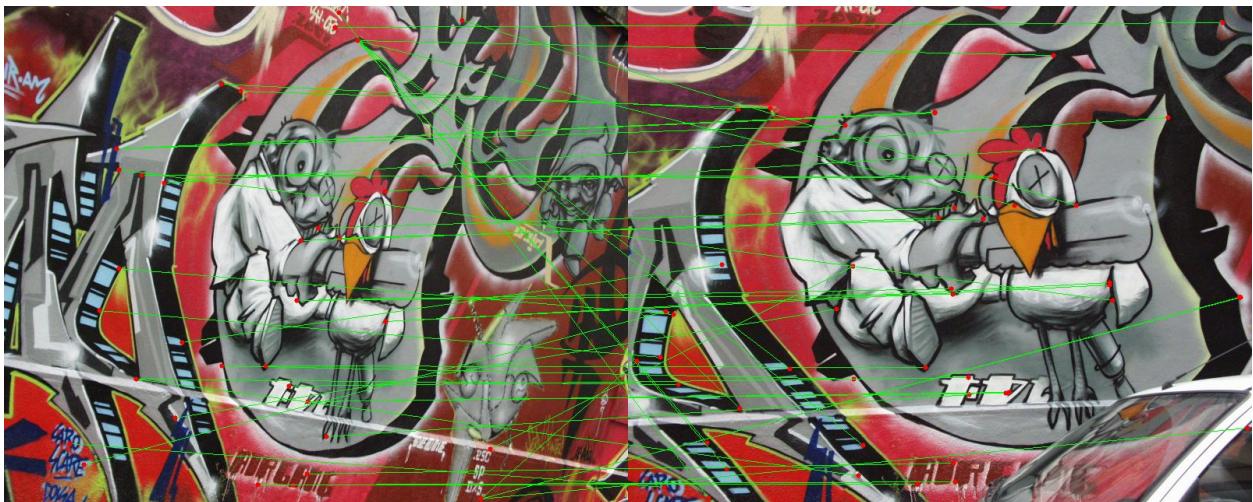
param 4 = 40X40, param 1 = 2, param 2 = 12X12, param 3 = 16X16



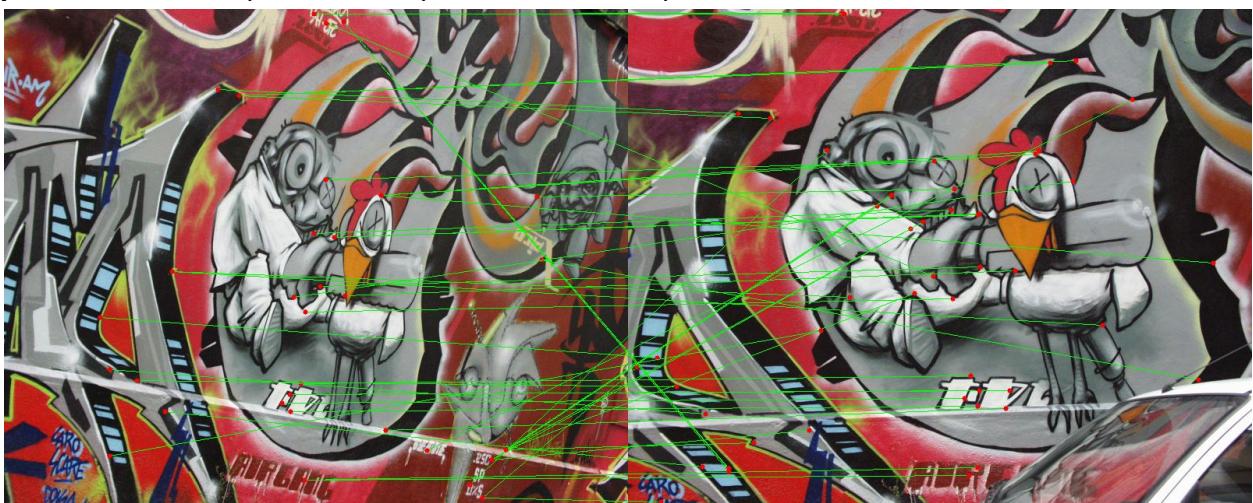
param 4 = 48X48, param 1 = 4, param 2 = 10X10, param 3 = 16X16



param 4 = 56X56, param 1 = 4, param 2 = 12X12, param 3 = 16X16



param 4 = 64X64, param 1 = 4, param 2 = 14X14, param 3 = 16X16



- **Image set 2:**

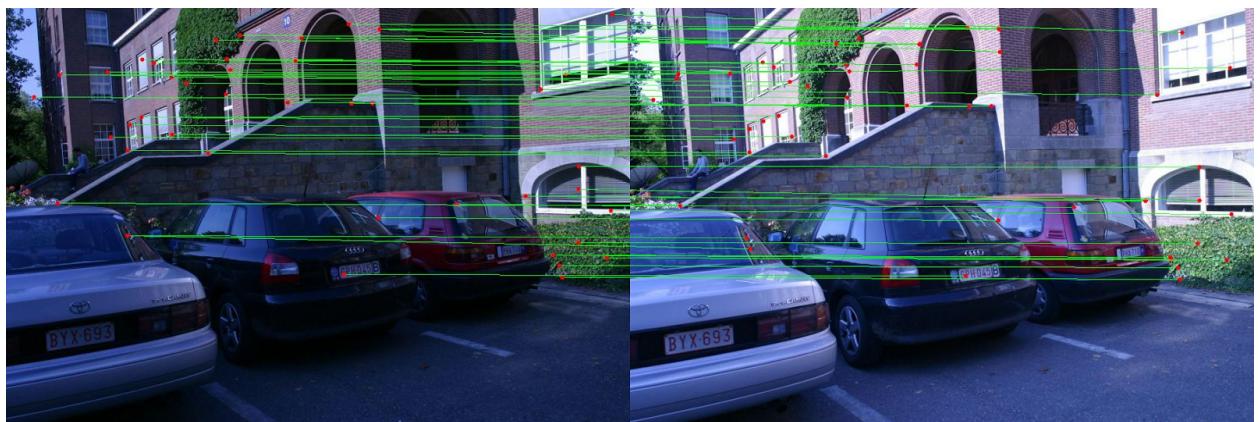
param 4 = 16X16, param 1 = 1, param 2 = 14X14, param 3 = 20X20



param 4 = 24X24, param 1 = 4, param 2 = 14X14, param 3 = 16X16



param 4 = 32X32, param 1 = 4, param 2 = 14X14, param 3 = 16X16



param 4 = 40x40, param 1 = 4, param 2 = 14X14, param 3 = 16X16



param 4 = 48x48, param 1 = 4, param 2 = 14X14, param 3 = 16X16



param 4 = 56x56, param 1 = 4, param 2 = 14X14, param 3 = 16X16



param 4 = 64X64, param 1 = 4, param 2 = 14X14, param 3 = 16X16



- **Image Set 3:**

param 4 = 16X16, param 1 = 1, param 2 = 14X14, param 3 = 20X20



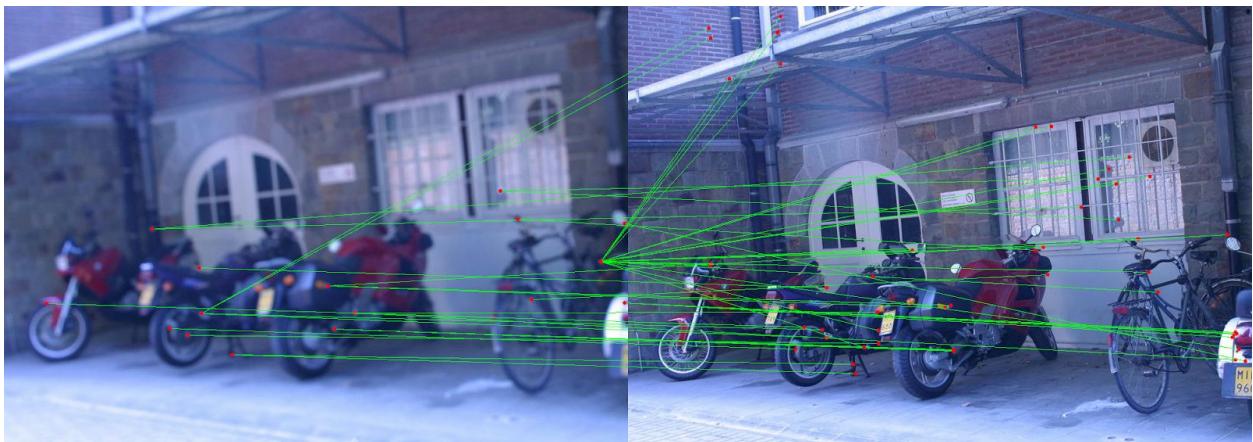
param 4 = 24X24, param 1 = 4, param 2 = 12X12, param 3 = 16X16



param 4 = 32X32, param 1 = 3, param 2 = 12X12, param 3 = 16X16



param 4 = 40X40, param 1 = 4, param 2 = 12X12, param 3 = 16X16



param 4 = 48X48, param 1 = 3, param 2 = 10X10, param 3 = 16X16



param 4 = 56X56, param 1 = 1, param 2 = 14X14, param 3 = 20X20



param 4 = 64X64, param 1 = 4, param 2 = 5, param 3 = 19

