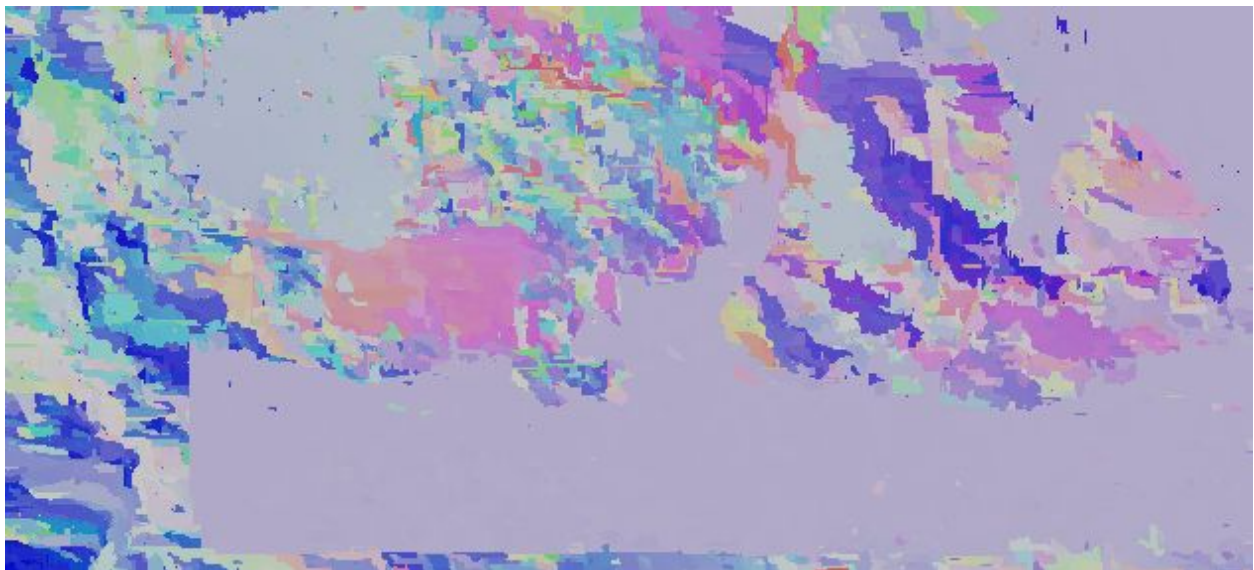


CSC320 Assignment 3 Report:

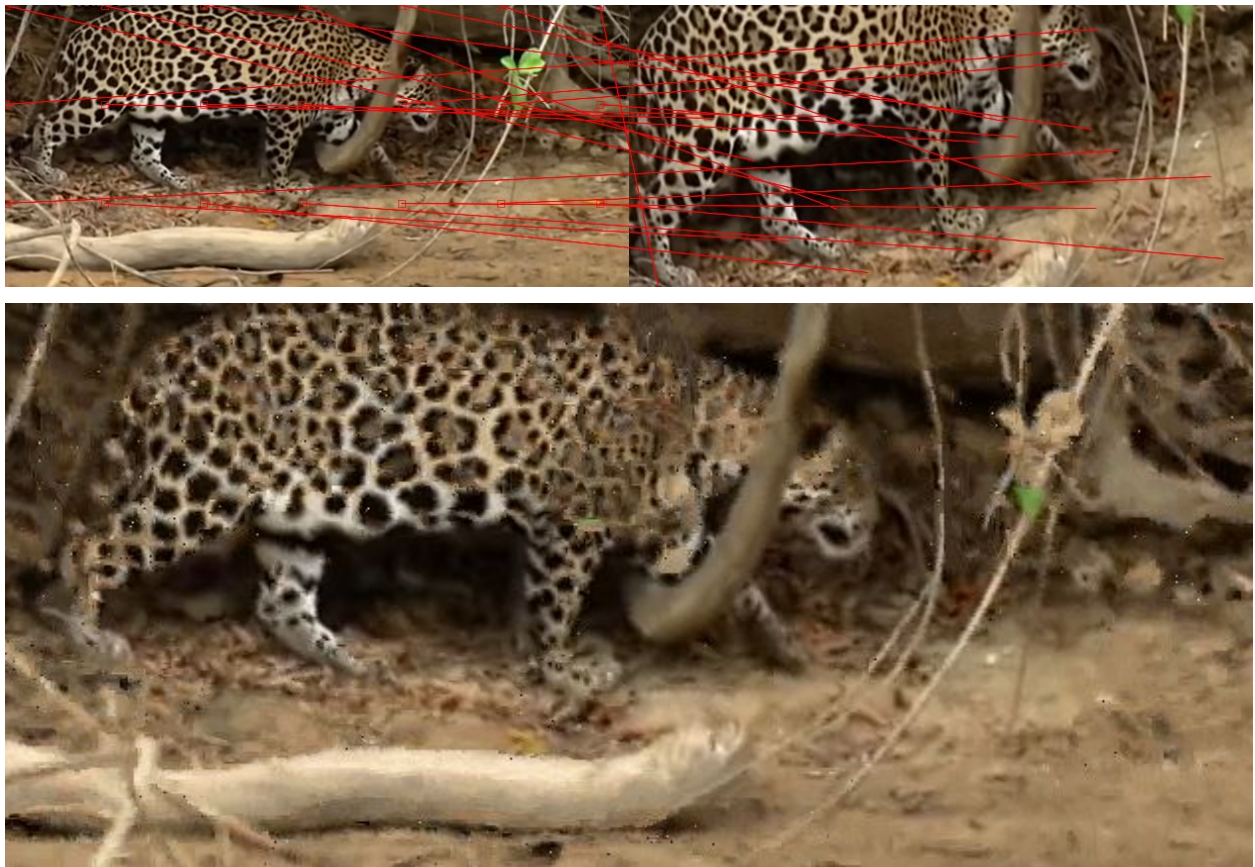
Bad Example:

Jaguar:



This pair of result come from the given jaguar example image. The result appeared to be blurry. There are even some green area painted on the body of the jaguar. The resulting image is not so good since the target image is compressed. Given the complexed texture of the jaguar skin, the algorithm we developed may not be able to find patch with ratio matched skin pattern. We can also see from the NNF graph, the algorithm can easily find good match for the ground where there is less complex patterns.

Jaguar3:





The result of this image is not good as well, however the bad result is expected. Since the target is an enlarged version of the source, there are many places in the source that the algorithm cannot find a good patch in the target. Examples would be area around the green leaves, where there is minimal existence of green color in the target. The wood on the ground is another example of only a few matched patch can be found from the target image. The patterns are also enlarged in the target. As a result, it is hard to reconstruct the same source image with finding similar ratio patches from the target.

Good Example:

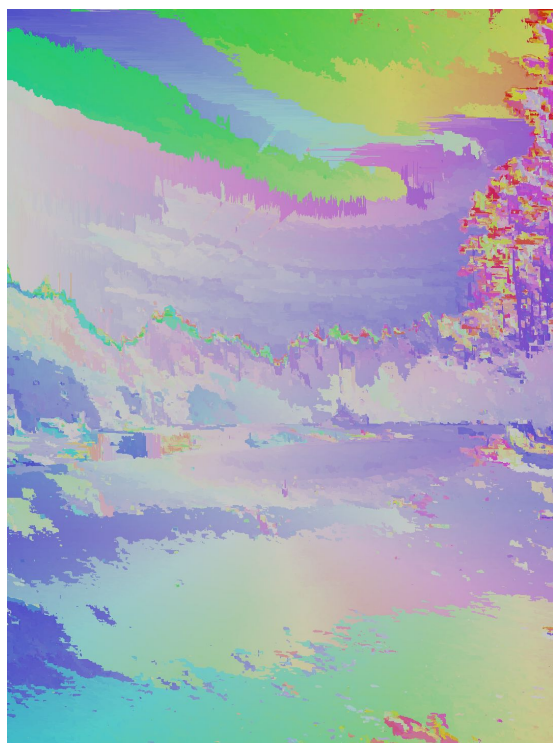
Cat:





The cat reconstructed appeared to be a good result. The angle of both pictures are very similar. Most part of the cat can be found in the target patches. The algorithms reconstructed an almost identical source image.

View:



In this pair of example, the result produced is relatively good. However, some particles on the ice is missing from the reconstructed image. This is because it might be hard to find matched patterned ice in the target image. Moreover, the water seemed to be a bit blurry since the waves of water have different frequency resulting different patterns in two different images