Pruning Results

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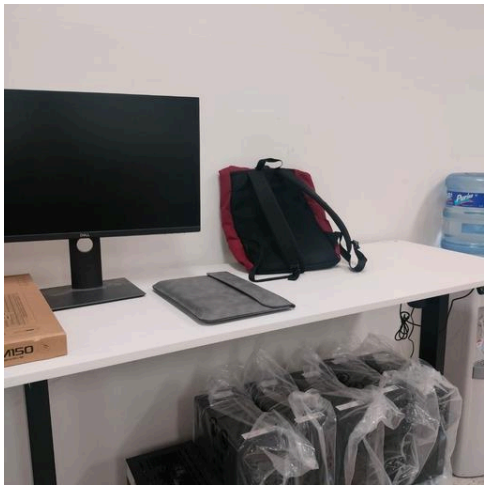
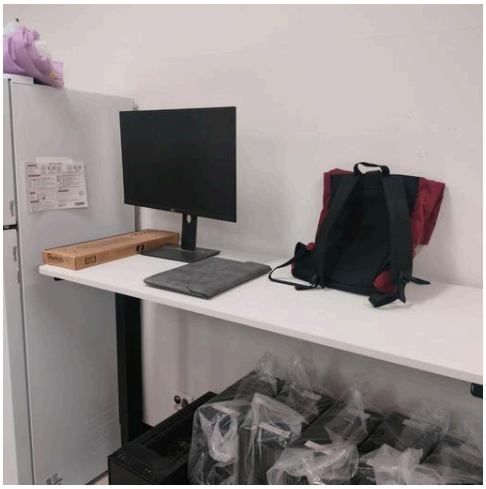
The pruning is done on 2 images (left and right) with size of 512x512. The block size used in the pruning is either a 4x4 or 8x8. While the error used for the pruning depends on the size of the block size used, 160 & 320 for the 4x4 block size, 640 & 1280 for the 8x8 block size. The pruning uses a motion estimation system.

Input Image:

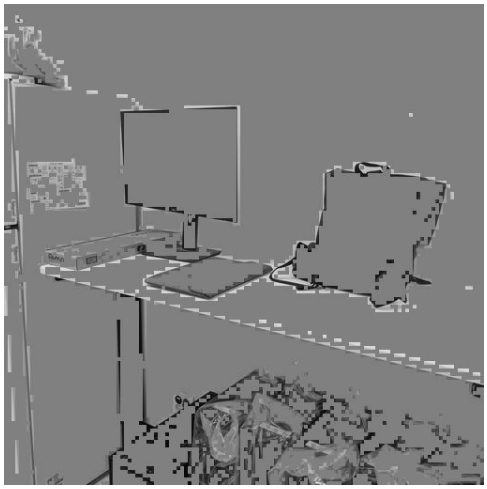


Left Image

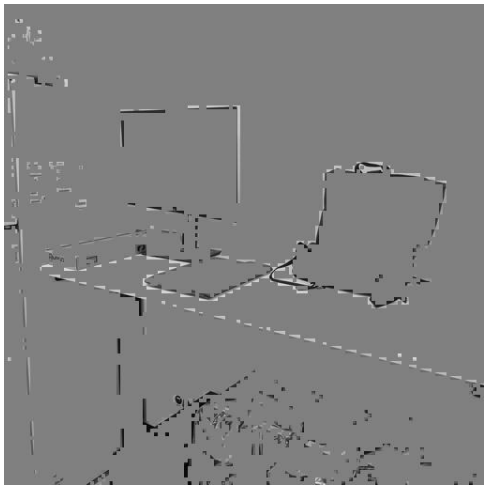


Right Image

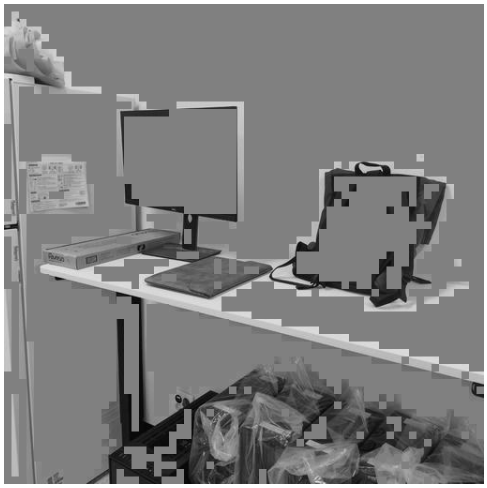
Pruned Image:



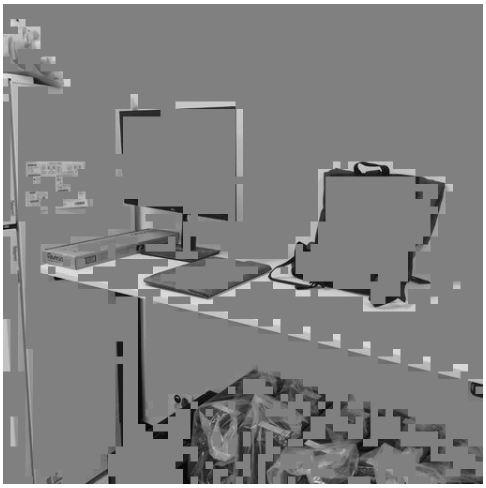
Block 4x4 Threshold 160



Block 4x4 Threshold 320



Block 8x8 Threshold 640



Block 8x8 Threshold 1280

As we can see in the image above, the smaller the block size the smoother the pruned image will be. However there are some drawbacks in using smaller block size such as the processing time will take longer compared to the bigger block size. The size of the threshold correlates to the block of pixels that will be removed from the pruned view. The higher the threshold is, the higher the number of blocks removed from pruned view will be. In conclusion, smaller block size and higher threshold correlates to higher pixels being removed from the pruned image.

More examples:

Left Image	Right Image	Block 4x4 Threshold 160	Block 4x4 Threshold 320	Block 8x8 Threshold 640	Block 8x8 Threshold 1280