

Report.4.threads

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October 2024

1 Changes I made in this labwork

In the first version, the image was flatten and we use 1D block size.

In the second version, the image dont have to be flatten and the block size is 2D.

The resulting image is the same

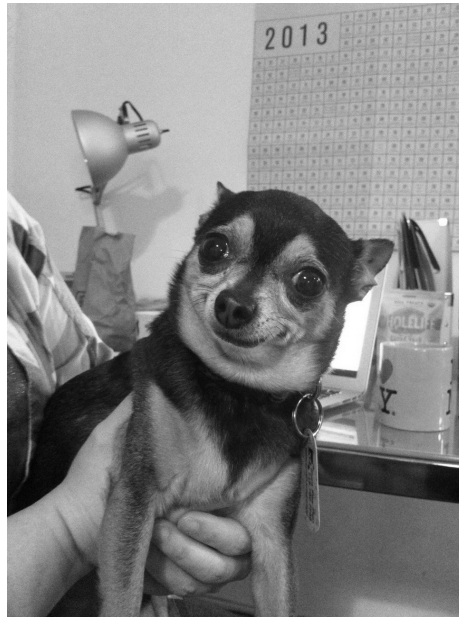


Figure 1: Enter Caption

2 Comparing different block size

For 1D block version, i tried the block size in range $[1, 2^2, \dots, 32^2]$ For 2D block version, i tried the block size (i, i) with i in range $[1, 2, \dots, 32]$

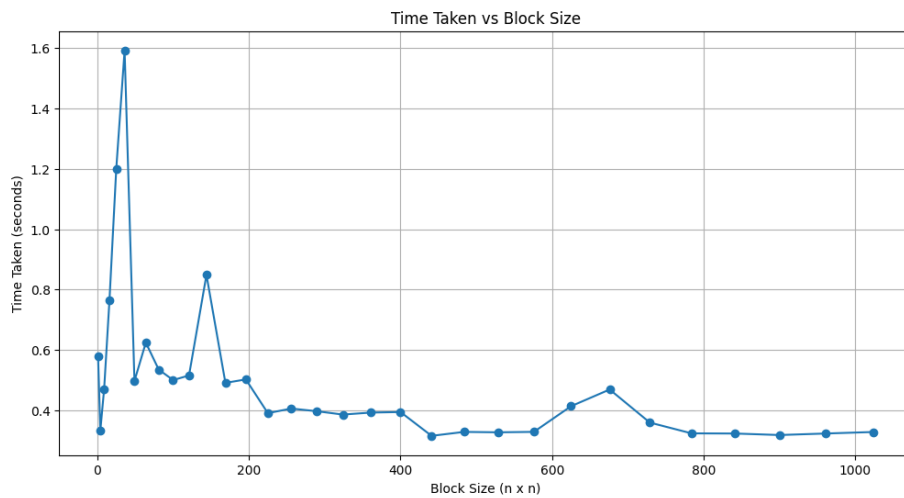


Figure 2: 1D block size

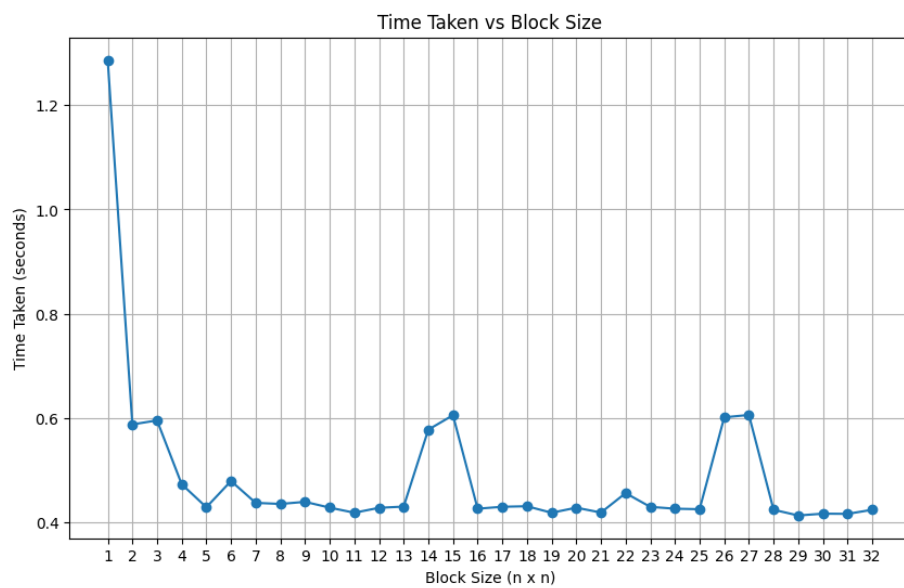


Figure 3: 2D block size

For this small image with dimension (968, 1296), the 2d block version doesn't show significant improvement in performance

