Approximate Nearest Subspace Search with Applications to Pattern Recognition
- Supplementary material -

Ronen Basri[†]   Tal Hassner[†]   Lihi Zelnik-Manor[‡]

† Weizmann Institute of Science   ‡ California Institute of Technology

Rehovot, Israel   Pasadena, CA 91125, USA

{ronen.basri, tal.hassner}@weizmann.ac.il   lihi@vision.caltech.edu
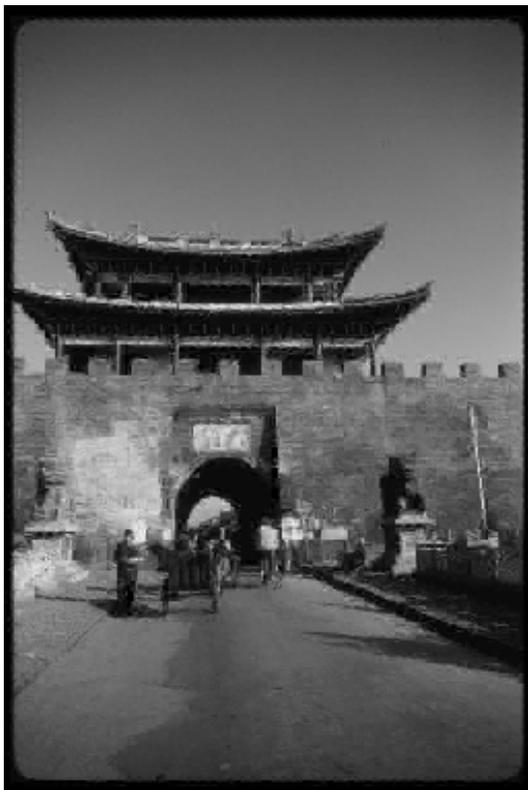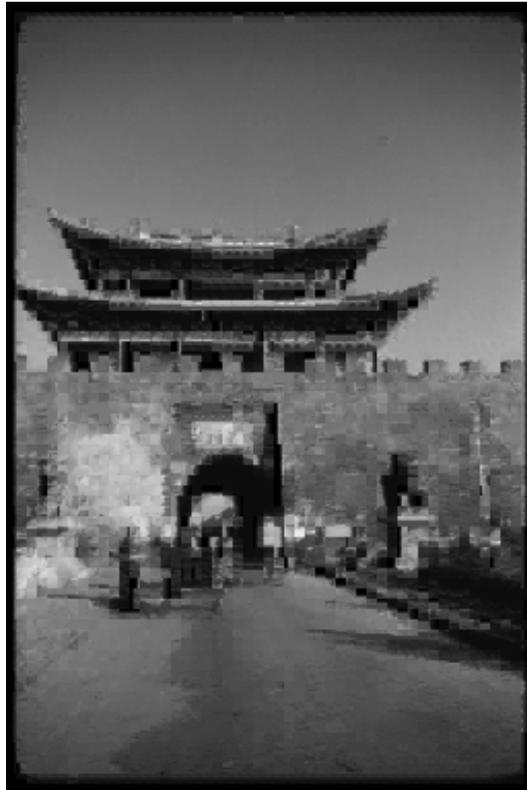
1. Image approximation results

In the next pages please find high resolution results of our image approximation tests. Please zoom-in to better view fine scale details and differences between images.
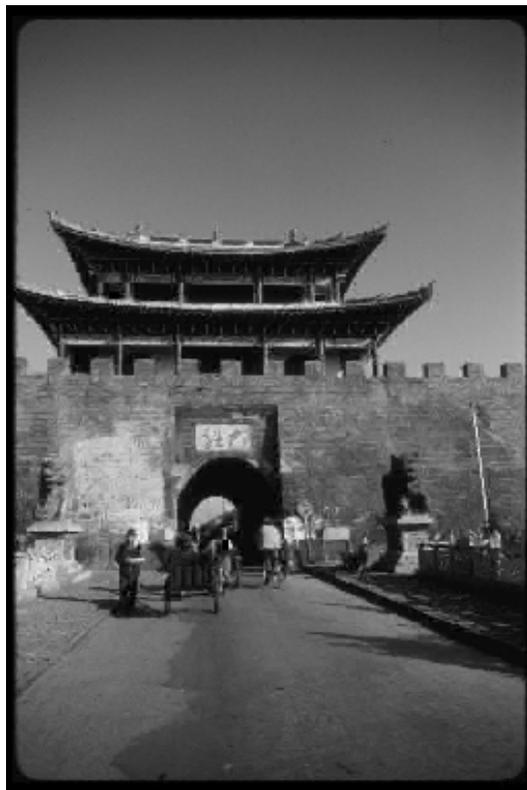
(Exact) Nearest patch

Approximate nearest patch

Approximate nearest subspace

(Exact) nearest subspace

Figure 1.

(Exact) Nearest patch

Approximate nearest patch

Approximate nearest subspace

(Exact) nearest subspace

Figure 2.

(Exact) Nearest patch

Approximate nearest patch

Approximate nearest subspace

(Exact) nearest subspace

Figure 3.

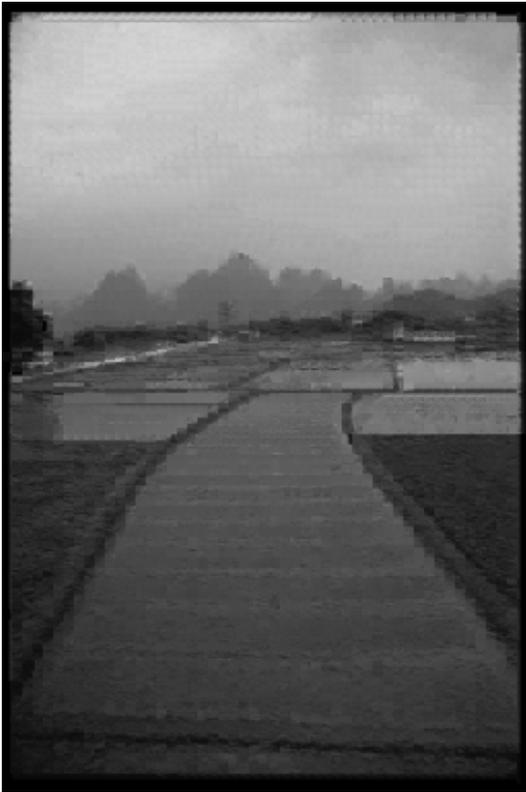(Exact) Nearest patch　　　　　　　　Approximate nearest patch

Approximate nearest subspace　　　　　(Exact) nearest subspace

Figure 4.

(Exact) Nearest patch

Approximate nearest patch

Approximate nearest subspace

(Exact) nearest subspace

Figure 5.

(Exact) Nearest patch — Approximate nearest patch — Approximate nearest subspace — (Exact) nearest subspace
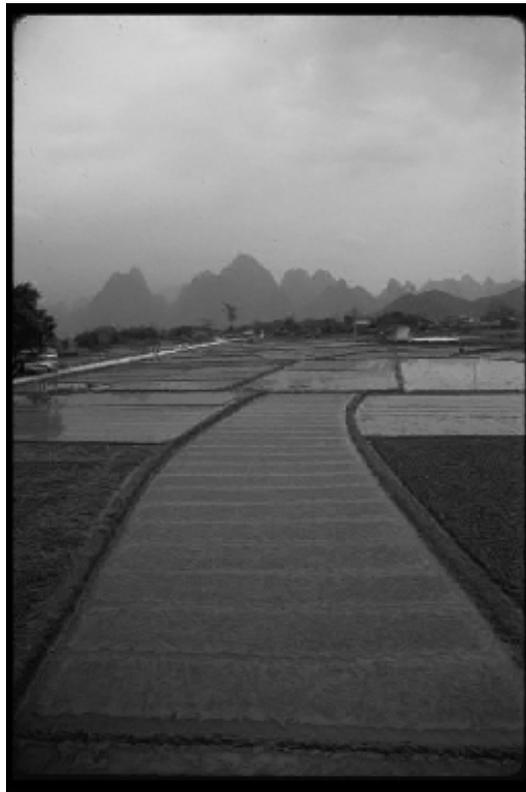
Figure 6.

(Exact) Nearest patch

Approximate nearest patch

Approximate nearest subspace

(Exact) nearest subspace

Figure 7.

(Exact) Nearest patch — Approximate nearest patch

Approximate nearest subspace — (Exact) nearest subspace

Figure 8.

(Exact) Nearest patch

Approximate nearest patch

Approximate nearest subspace

(Exact) nearest subspace

Figure 9.

(Exact) Nearest patch

Approximate nearest patch

Approximate nearest subspace

(Exact) nearest subspace

Figure 10.