Statistics of Patch Offsets for Image Completion

Supplementary Materials

Kaiming He and Jian Sun
Microsoft Research Asia

All-around Comparisons

input

ours

Content-Aware Fill

Priority-BP

Shift-map

Criminisi et al.'s

input

ours

Content-Aware Fill

Priority-BP

Shift-map

Criminisi et al.'s

input

ours

Content-Aware Fill

Priority-BP

Shift-map

Criminisi et al.'s

input
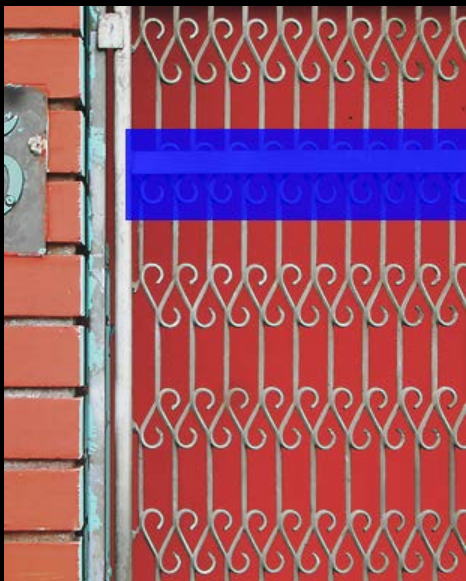
ours

Content-Aware Fill

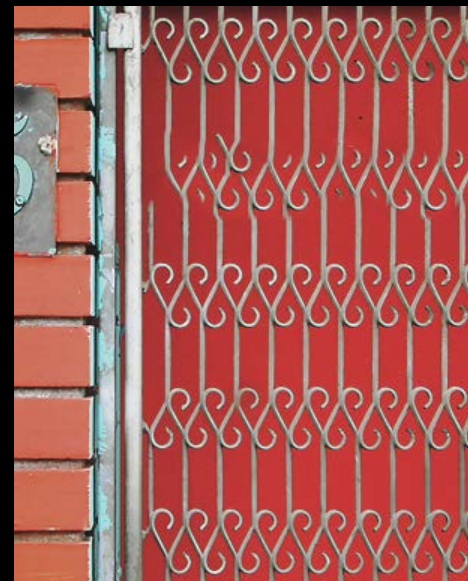Priority-BP

Shift-map

Criminisi et al.'s

input

ours

Content-Aware Fill

Priority-BP

Shift-map

Criminisi et al.'s

input

ours

Content-Aware Fill

Priority-BP

Shift-map

Criminisi et al.'s

input

ours

Content-Aware Fill

Priority-BP

Shift-map

Criminisi et al.'s

Images from previous papers

input   our results   input   our results

Comparisons with PhotoShop
(Content-Aware Fill)

Input (860x1150)   ours (0.6s)   Content-Aware Fill (3.1s)
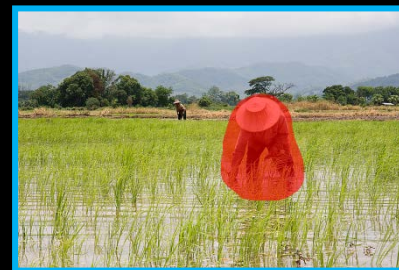
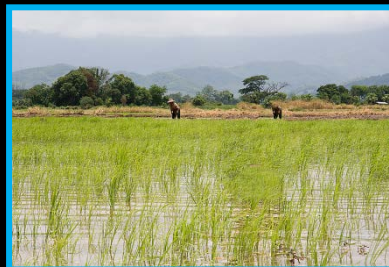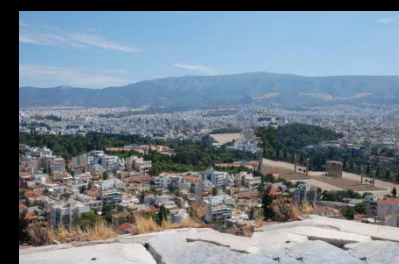Input (900x1350)   ours (0.5s)   Content-Aware Fill (2.5s)

Input (3900x2600, 10Mp)
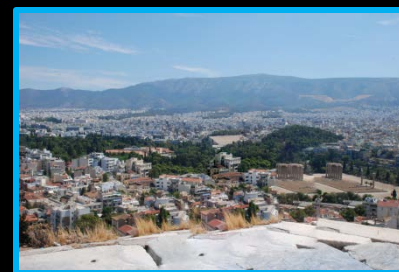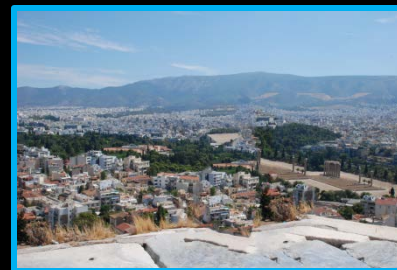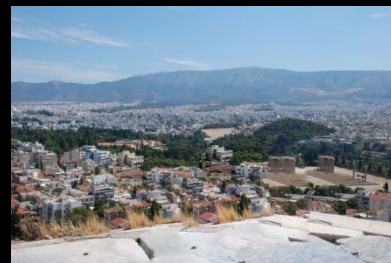
ours (1.5s)

Content-Aware Fill (4.5s)

Input (3900x2600, 10Mp)

ours (1.7s)

Content-Aware Fill (9.9s)

Patch Sizes

input

4x4 patch

8x8 patch (default)

16x16 patch

24x24 patch

32x32 patch

More results

Input panorama (3200x2000, 6Mp)

Our result (1.1s)

input   our results

input   our results

Artifacts

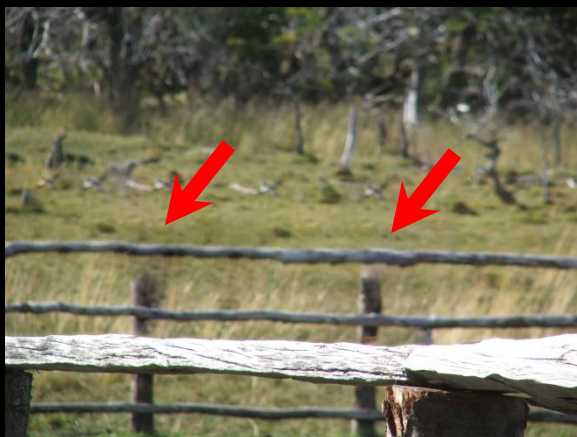input   ours   Content-Aware Fill

input   ours   Content-Aware Fill

input

ours

Content-Aware Fill