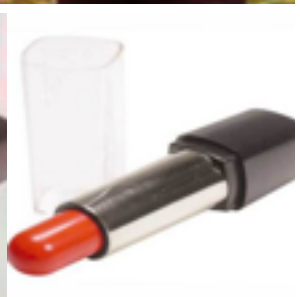
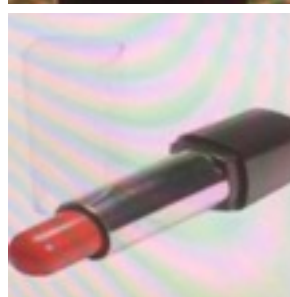
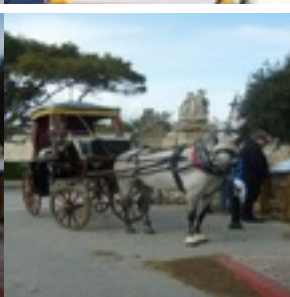
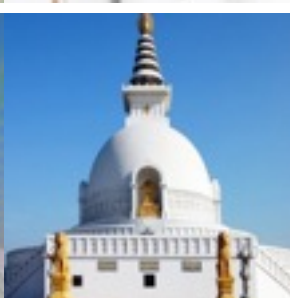
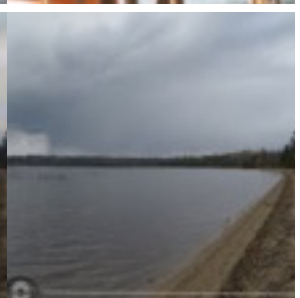
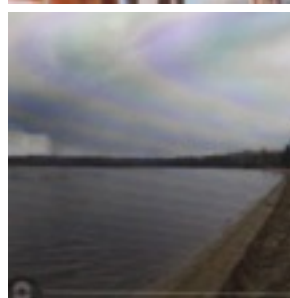
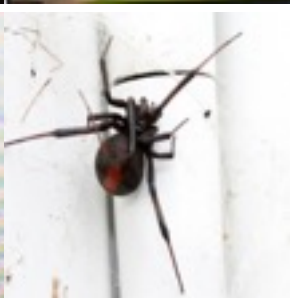
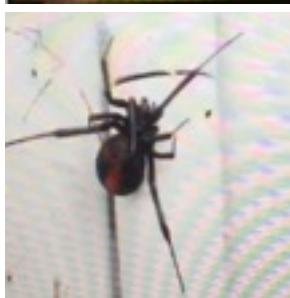
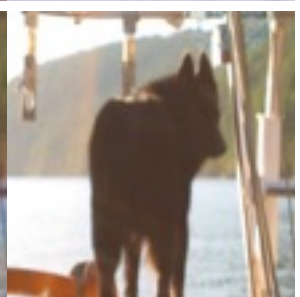
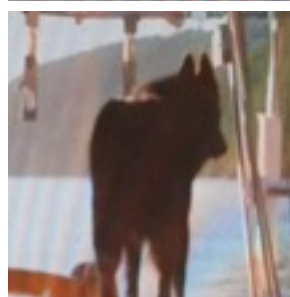
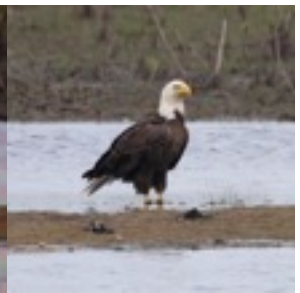
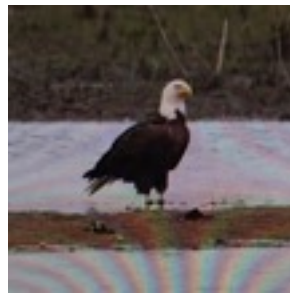
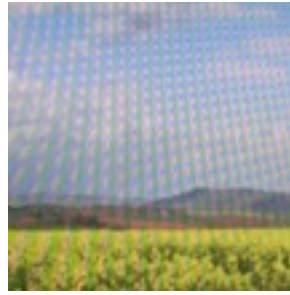
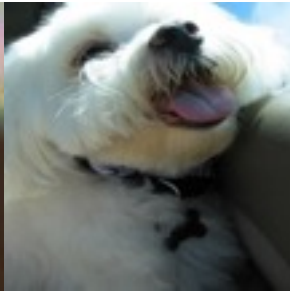
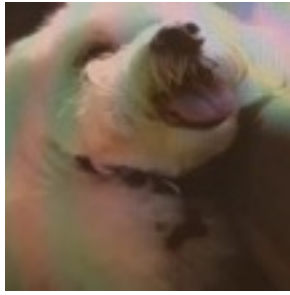
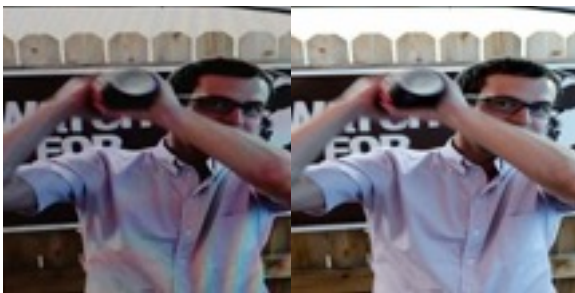
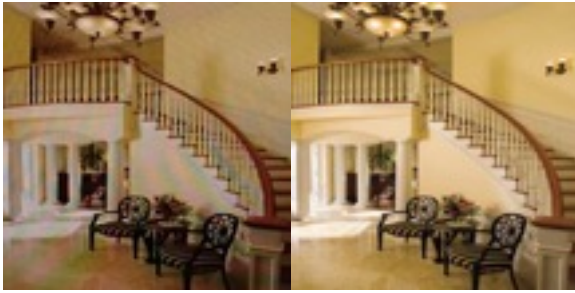


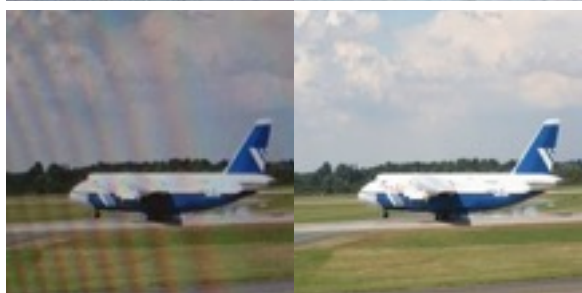
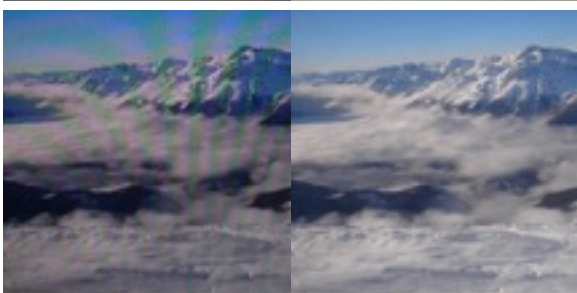
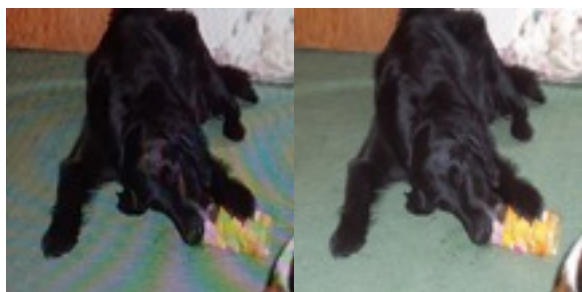
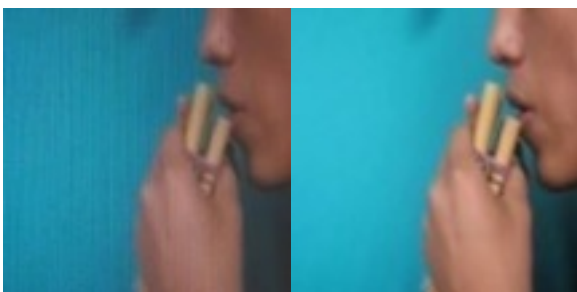
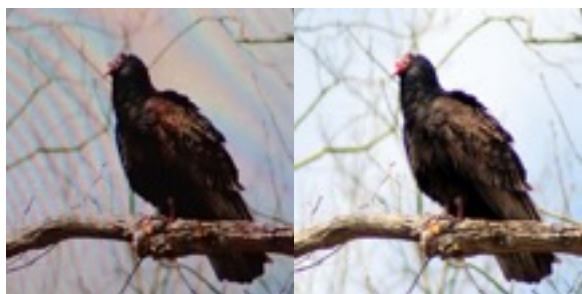
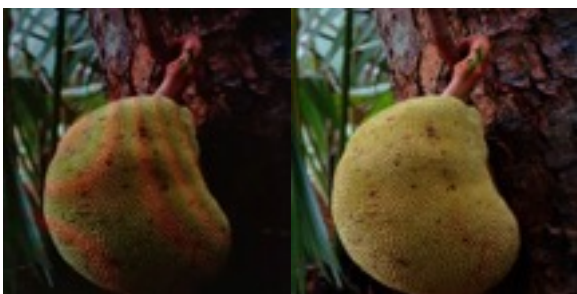
Moiré Photo Restoration Using Multiresolution Convolutional Neural Networks

(Supplemental Materials)

Examples of Training Image Pairs







Additional Results from Our Method

Input

Our Result

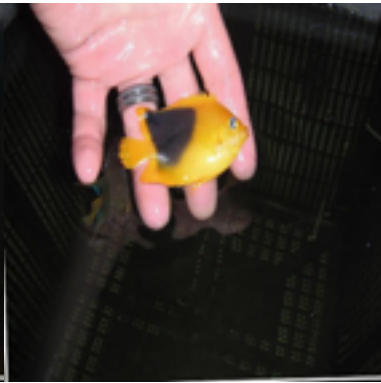
Ground Truth



19.0



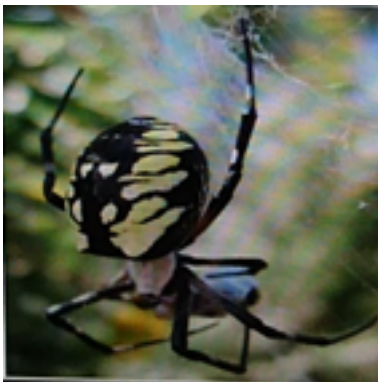
29.7



17.2



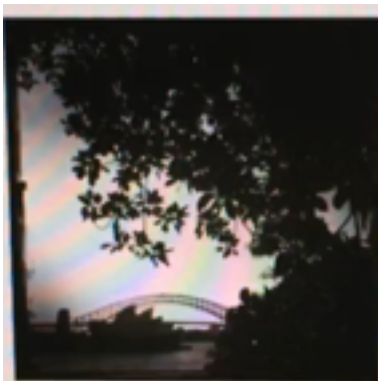
25.5



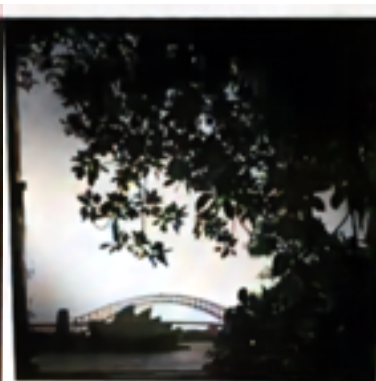
16.4



28.3



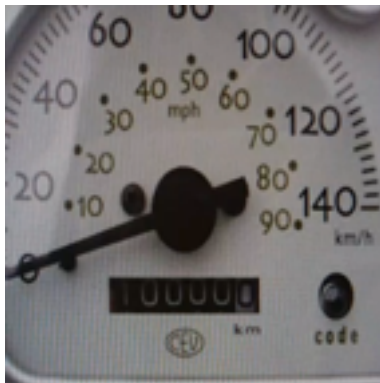
20.3



25.8



Input



14.6

Our Result

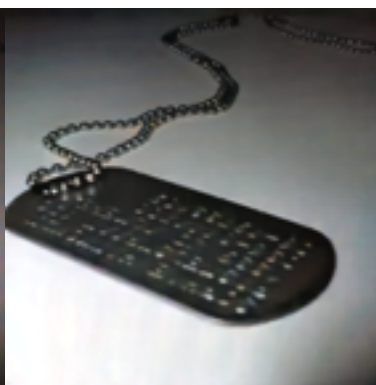


27.1

Ground Truth



22.5



29.2



13.6



27.9



16.7



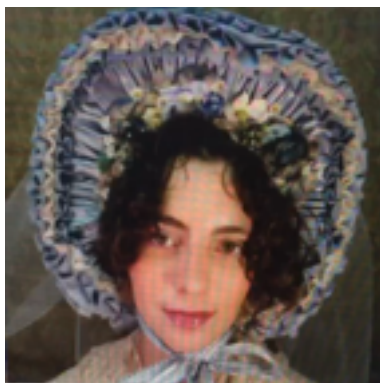
25.5



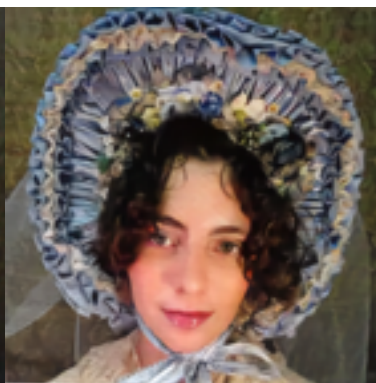
Input

Our Result

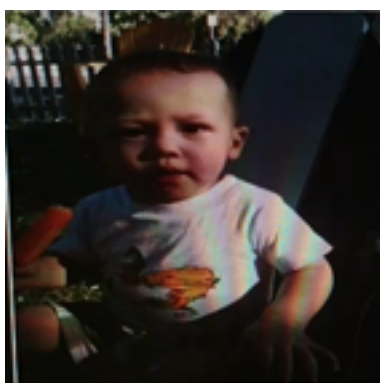
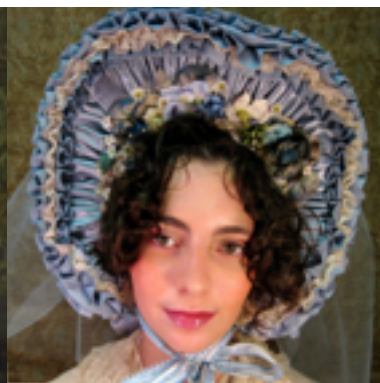
Ground Truth



22.4



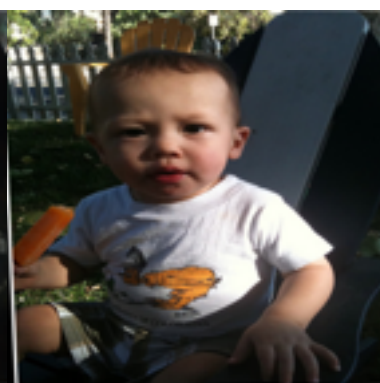
27.2



17.5



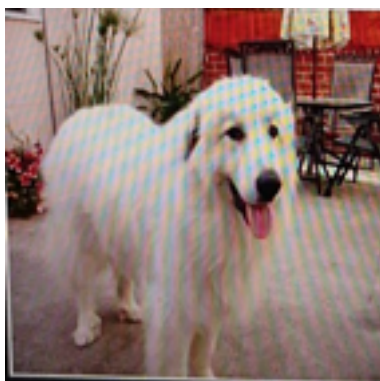
29.5



17.0



28.7



17.2



27.0



Input

Our Result

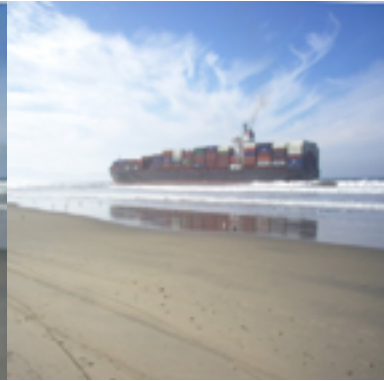
Ground Truth



16.1



27.3



12.4



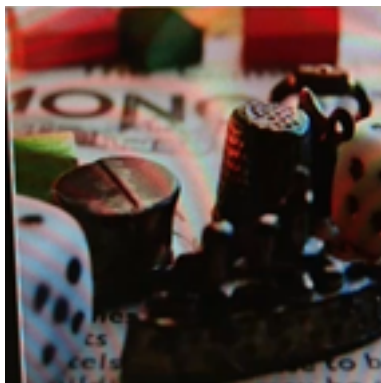
32.2



18.9



25.4



16.3



27.0



Input

Our Result

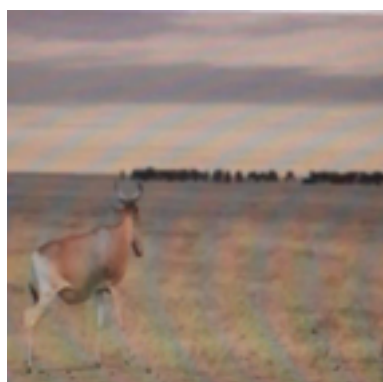
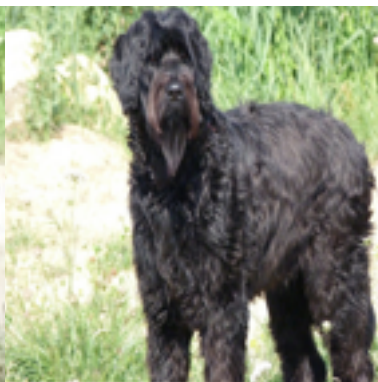
Ground Truth



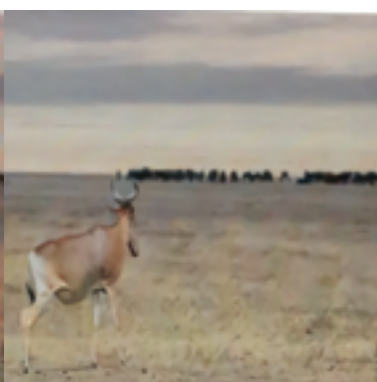
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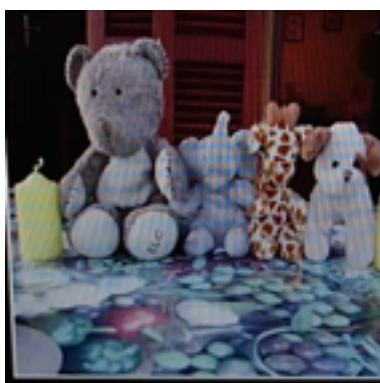
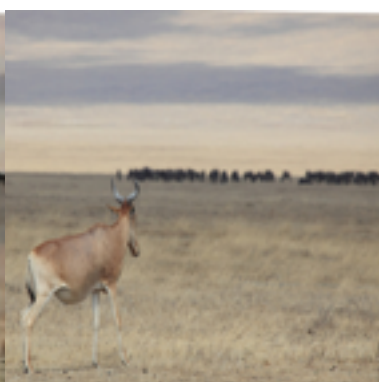
26.8



21.0



27.8



16.1



27.7



16.3



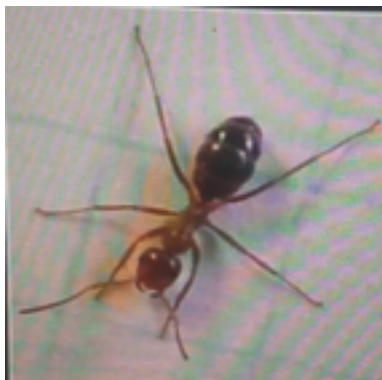
29.2



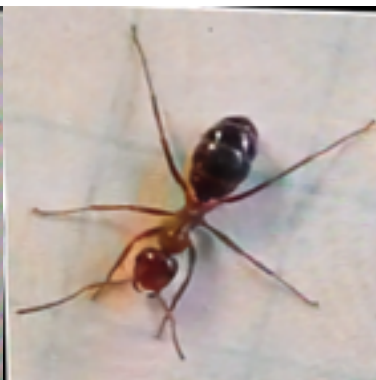
Input

Our Result

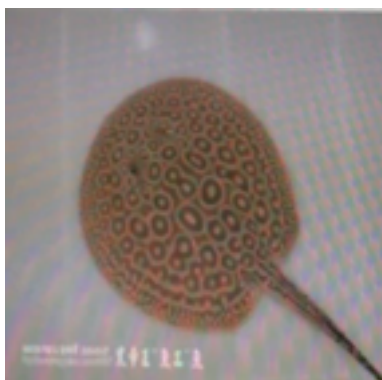
Ground Truth



19.7



27.4



23.6



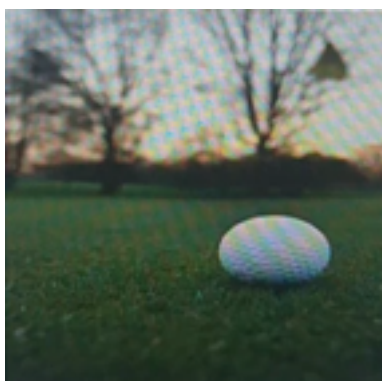
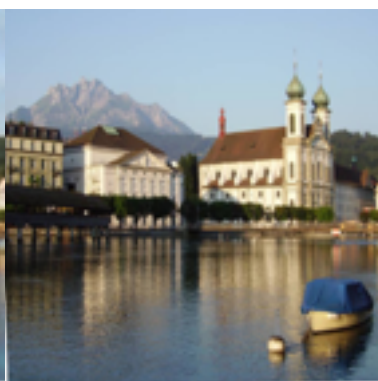
30.3



15.0



28.0



17.9



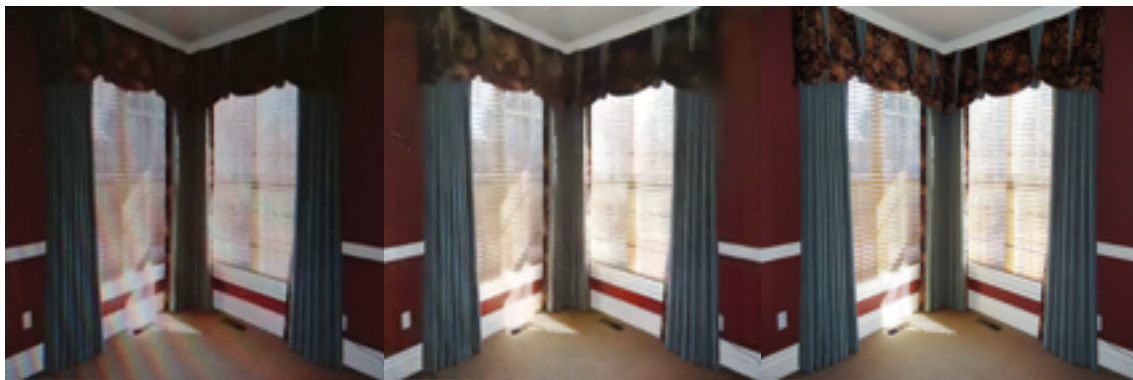
28.5



Input

Our Result

Ground Truth



16.9

26.7



20.1

25.4



18.3

28.0



16.0

28.5

Input

Our Result

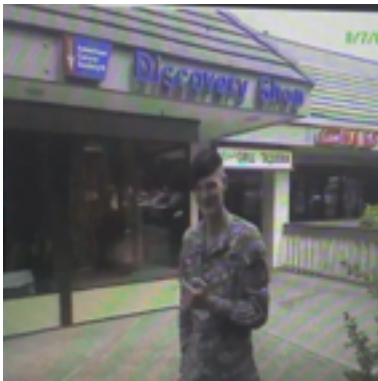
Ground Truth



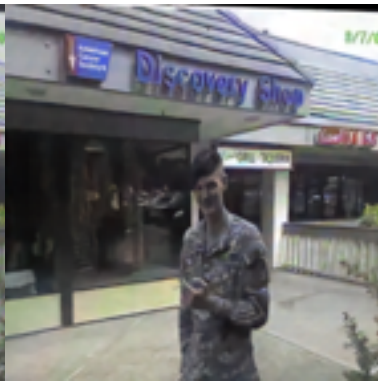
14.8



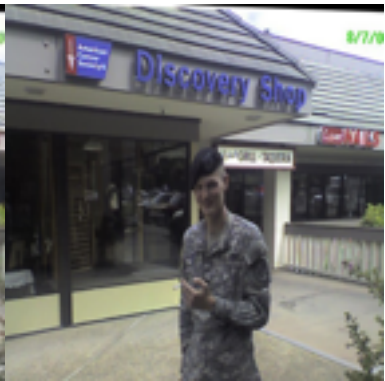
27.2



20.7



24.4



18.8



28.9



23.2



30.7



Input

Our Result

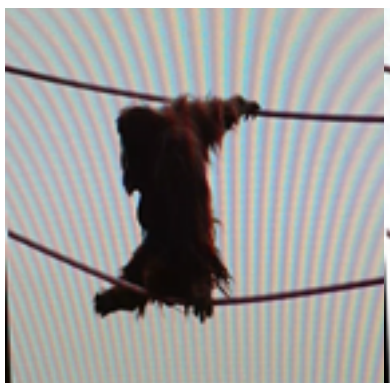
Ground Truth



17.9



26.7



12.3



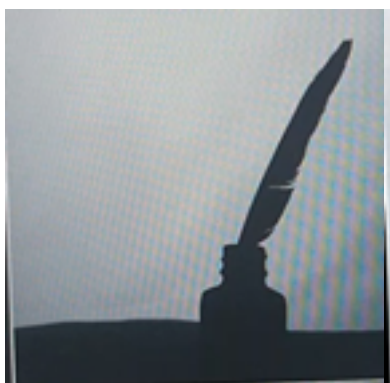
30.4



20.7



30.1



14.6



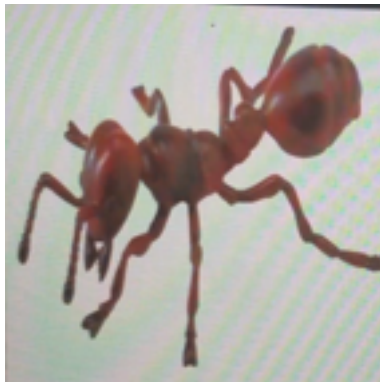
28.5



Input

Our Result

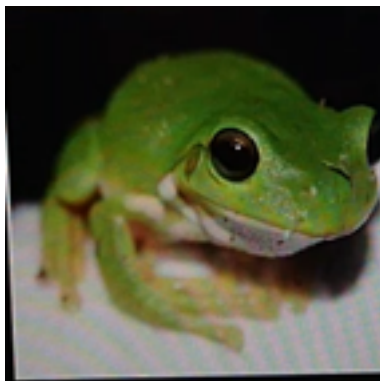
Ground Truth



13.4



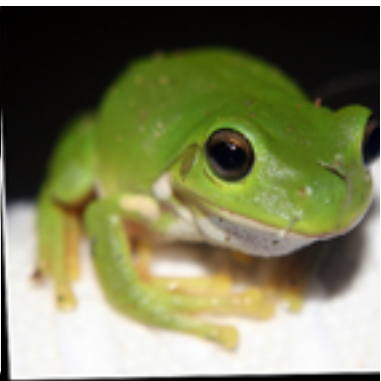
25.6



14.6



30.4



12.5



27.2



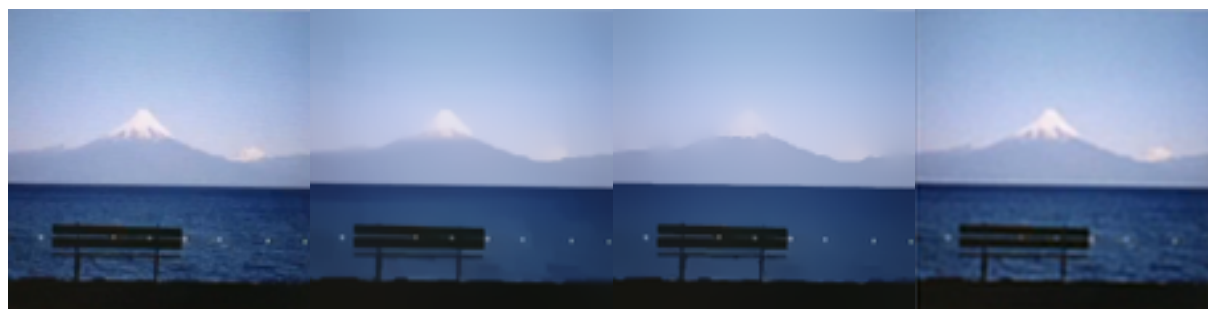
16.9



29.4



Additional Visual Comparisons



Input 22.5

RTV 22.1

SDF 22.1

Descreen 22.2



IRCNN20.2

Unet 28.6

VDSR 26.3

DnCNN 25.5



PyramidCNN 26.2

Our method-V 27.1

Our method 29.2

Target



Input 18.1

RTV 17.9

SDF 18.0

Descreen 17.4



IRCNN 17.9

Unet 26.4

VDSR 23.7

DnCNN 23.4



PyramidCNN 25.1

Our method-V 26.0

Our method 26.4

Target



Input 17.9

RTV 17.9

SDF 17.8

Descreen 17.0



IRCNN 17.7

Unet 25.8

VDSR 24.8

DnCNN 23.0



PyramidCNN 25.1

Our method-V 27.9

Our method 26.6

Target



Input 20.3

RTV 19.4

SDF 19.0

Descreen 18.8



IRCNN 19.1

Unet 26.5

VDSR 20.5

DnCNN 22.5



PyramidCNN 22.3

Our method-V 27.2

Our method 25.8

Target



Input 15.5

RTV 15.4

SDF 15.3

Descreen 14.7



IRCNN 18.1

Unet 27.1

VDSR 26.9

DnCNN 26.5



PyramidCNN 27.2

Our method-V 28.0

Our method 27.9

Target



Input 18.3

RTV 18.7

SDF 18.9

Descreen 17.5



IRCNN 16.4

Unet 27.1

VDSR 17.3

DnCNN 18.6



PyramidCNN 21.5

Our method-V 22.0

Our method 23.9

Target



Input 20.0

RTV 20.7

SDF 20.6

Descreen 19.2



IRCNN20.2

Unet 27.4

VDSR 27.4

DnCNN 27.1



PyramidCNN 28.0

Our method-V 28.1

Our method 28.4

Target



Input 19.0

RTV 18.0

SDF 17.8

Descreen 17.0



IRCNN 19.7

Unet 24.8

VDSR 23.2

DnCNN 23.2



PyramidCNN 23.8

Our method-V 25.1

Our method 24.8

Target



Input 18.6

RTV 17.9

SDF 17.9

Descreen 16.7



IRCNN12.6

Unet 25.9

VDSR 26.4

DnCNN 26.1



PyramidCNN 26.5

Our method-V 26.6

Our method 26.5

Target



Input 17.6

RTV 17.6

SDF 17.7

Descreen 16.7



IRCNN 19.2

Unet 25.9

VDSR 24.8

DnCNN 26.1



PyramidCNN 26.7

Our method-V 26.3

Our method 27.1

Target

Additional Comparisons with Unet



Input 24.9

Unet 31.5

Our method 30.8

Target



Input 17.5

Unet 29.1

Our method 28.8

Target



Input 17.0

Unet 25.3

Our method 24.6

Target



Input 17.9

Unet 29.2

Our method 29.1

Target



Input 19.7

Unet 29.2

Our method 28.5

Target



Input 19.0

Unet 26.1

Our method 25.5

Target



Input 19.0

Unet 26.1

Our method 24.9

Target

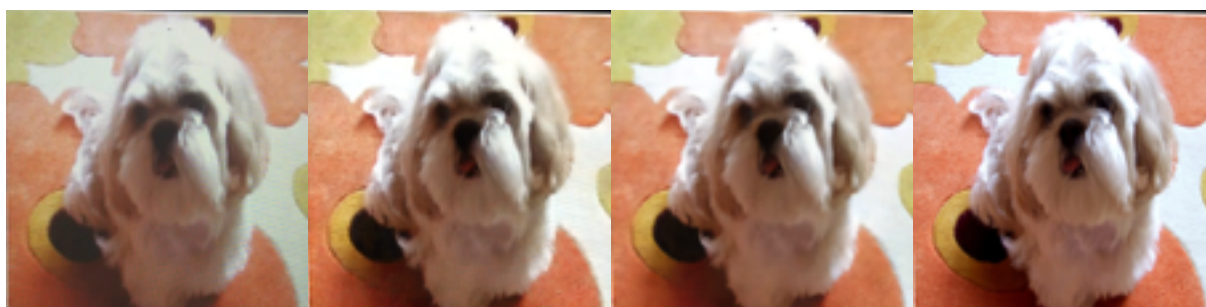


Input 20.0

Unet 26.7

Our method 26.2

Target

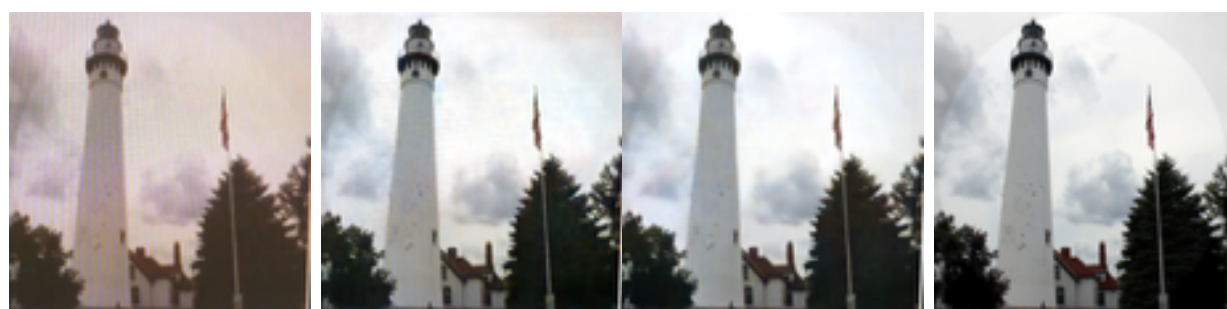


Input 20.0

Unet 27.8

Our method 27.5

Target



Input 18.6

Unet 25.9

Our method 24.4

Target



Input 22.2

Unet 27.8

Our method 28.5

Target



Input 15.7

Unet 27.5

Our method 28.1

Target

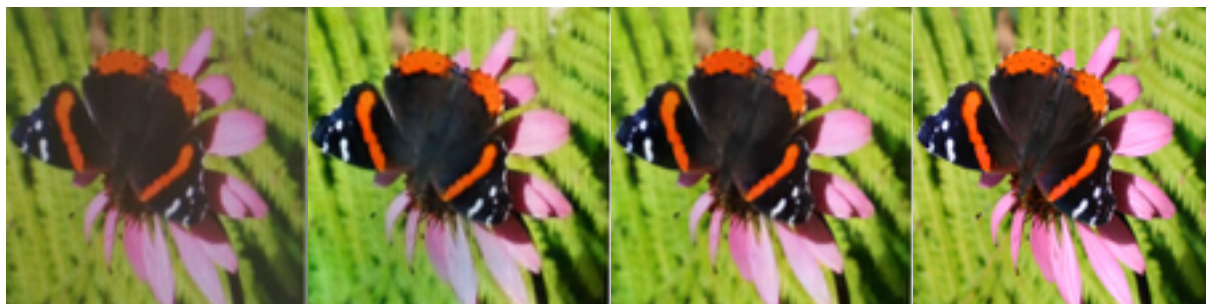


Input 15.9

Unet 27.6

Our method 28.5

Target



Input 16.9

Unet 21.7

Our method 24.4

Target



Input 17.9

Unet 24.1

Our method 24.4

Target



Input 17.4

Unet 25.1

Our method 26.2

Target

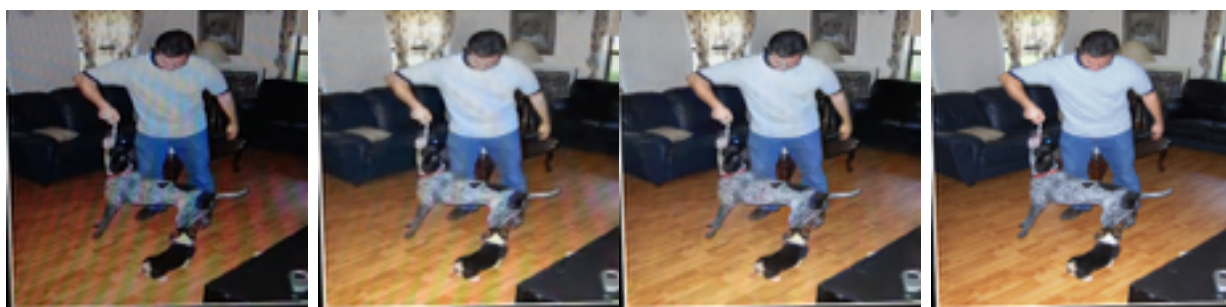


Input 17.1

Unet 27.1

Our method 27.7

Target



Input 15.9

Unet 28.4

Our method 29.5

Target



Input 14.8

Unet 19.7

Our method 27.0

Target



Input 14.0

Unet 27.7

Our method 28.7

Target

Moiré Pattern Removal Results for HUAWEI P9

(Product Model: EVA-AL10)

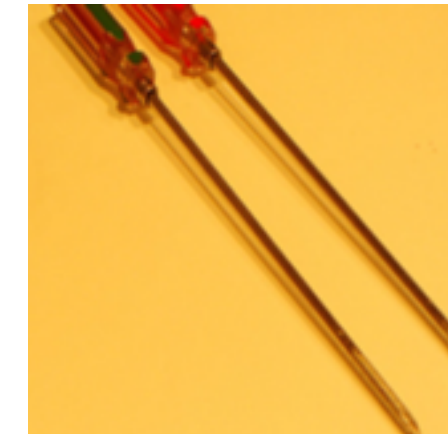
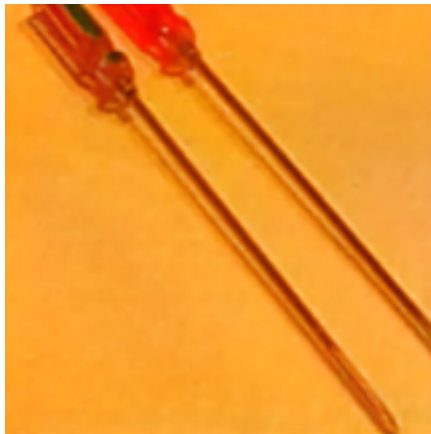
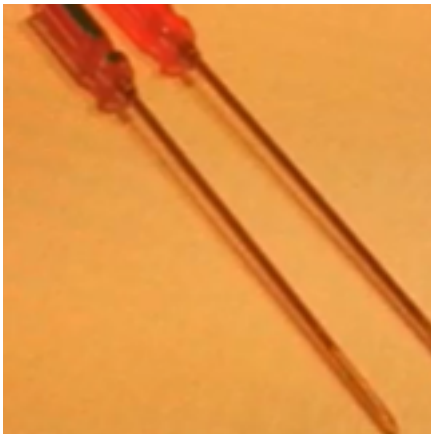
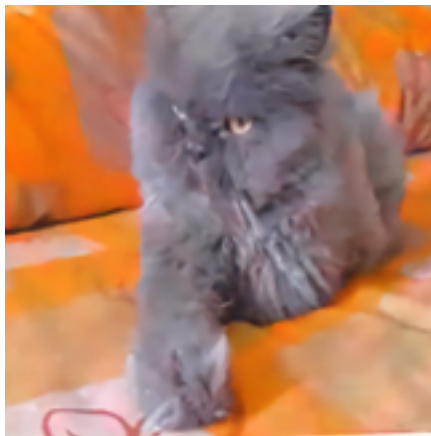
Input Image



Our Result



Ground Truth



Input Image



Our Result



Ground Truth

