## Supplemental material

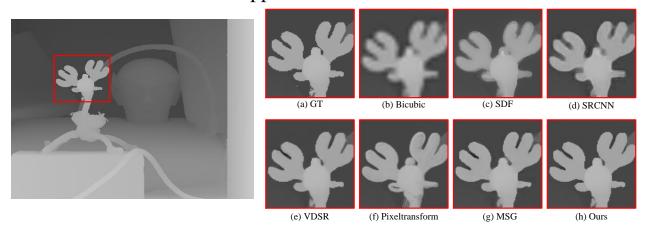


Fig.1 Visual quality comparison on Reindeer from Middlebury for upsampling factor 4×

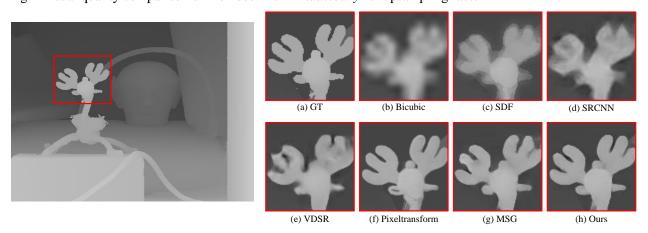


Fig.2 Visual quality comparison on Reindeer from Middlebury for upsampling factor  $8 \times$ 

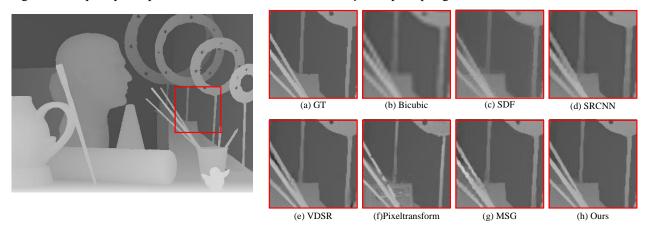


Fig.3 Visual quality comparison on Art from *Middlebury* for upsampling factor 4×

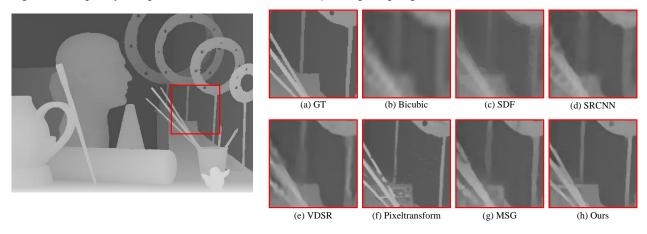


Fig.4 Visual quality comparison on Art from Middlebury for upsampling factor 8×

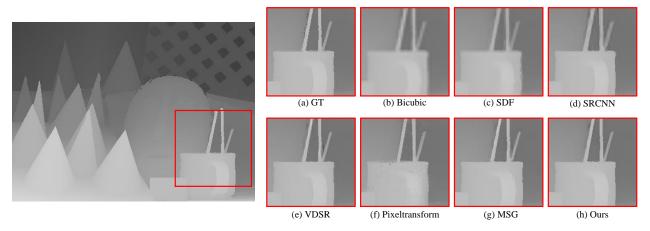


Fig.5 Visual quality comparison on Cones from *Middlebury* for upsampling factor  $4 \times$ 

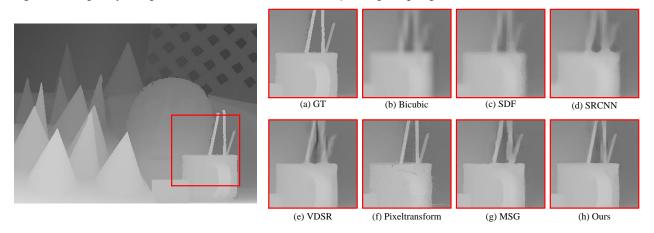


Fig.6 Visual quality comparison on Cones from Middlebury for upsampling factor 8×

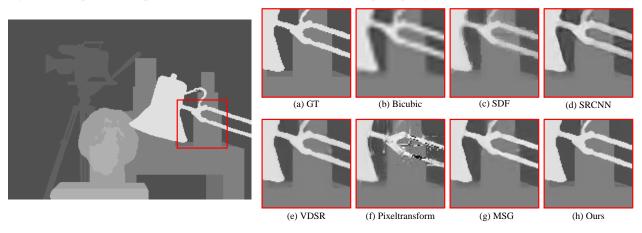


Fig.7 Visual quality comparison on Tsukuba from Middlebury for upsampling factor 4×

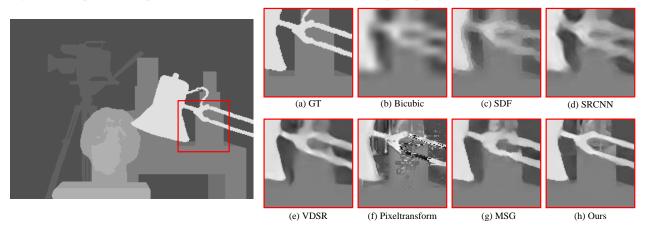


Fig.8 Visual quality comparison on Tsukuba from Middlebury for upsampling factor  $8 \times$ 

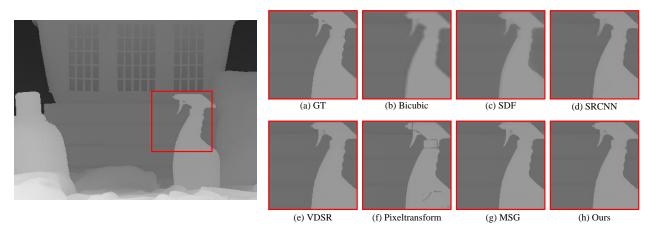


Fig.9 Visual quality comparison on Laundry from Middlebury for upsampling factor  $4 \times$ 

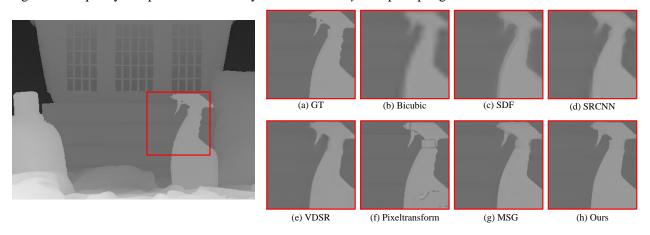


Fig.10 Visual quality comparison on Laundry from *Middlebury* for upsampling factor  $8 \times$ 

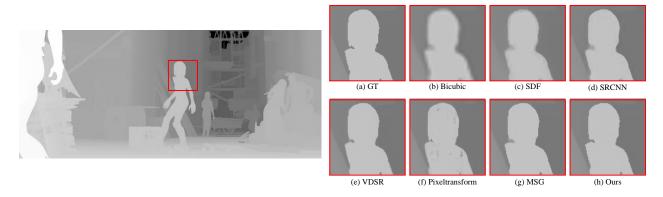


Fig.11 Visual quality comparison on market\_2frame\_0031 from Sintel for upsampling factor 4×

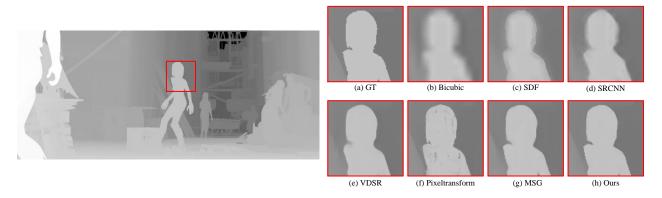


Fig.12 Visual quality comparison on market\_2frame\_0031 from  $\mathit{Sintel}$  for upsampling factor  $8\times$