- S.Paris (2011) Local Laplacian filters: Edgeaware image processing with a Laplacian pyramid.
- The Laplacian pyramid is the difference between the input and the blurred version. It saves the edge information.
- In this paper, the author used 5 layers of the pyramids: 512x512, 256x256, 128x128, 64x64, and 32x32.
- A remapping function was used to make an edge enhanced image and the edge enhanced image is used to make a pyramid.
- Replace one of the pyramids with the image pyramid from edge enhanced image.
- Reconstruct image from the image pyramids.
- The result shows better quality than the sharpening filter or unsharp masking filter.
- It takes 4 minutes to generate a result.
- Plan to work on a paper that is trying to make the algorithm faster.























































