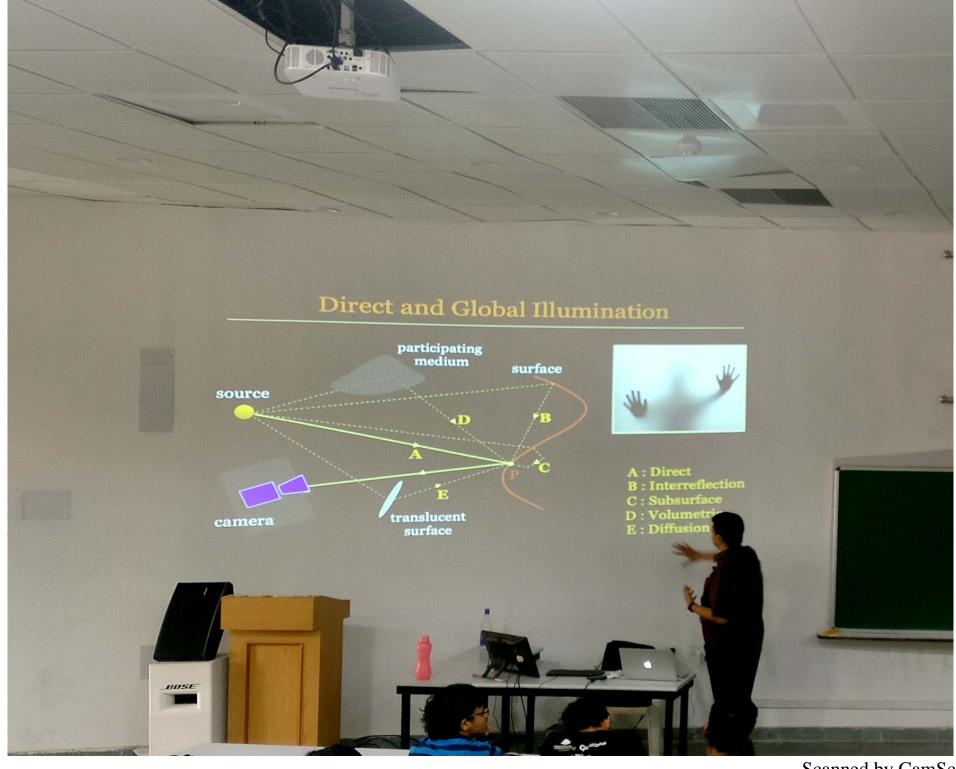
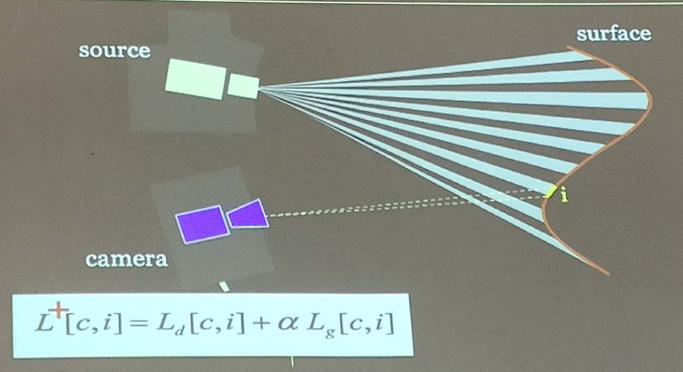


Scanned by CamScanner

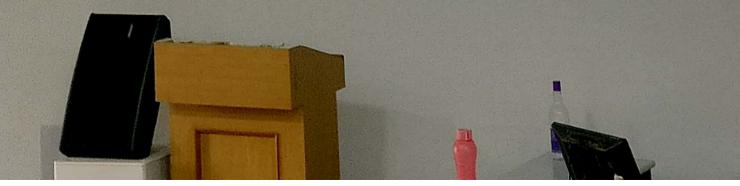


Scanned by CamScanner

High Frequency Illumination Pattern



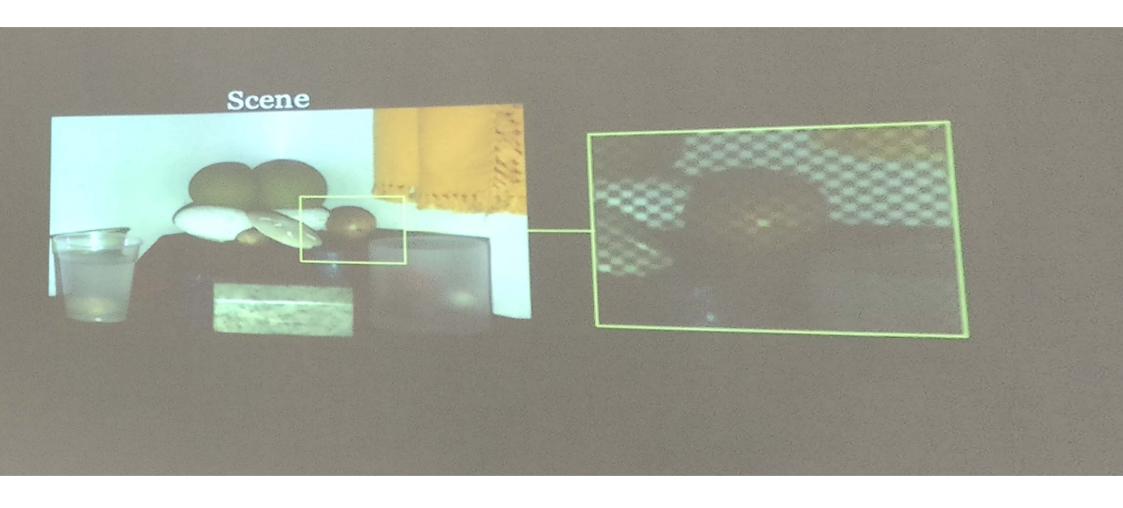
fraction of activated source elements

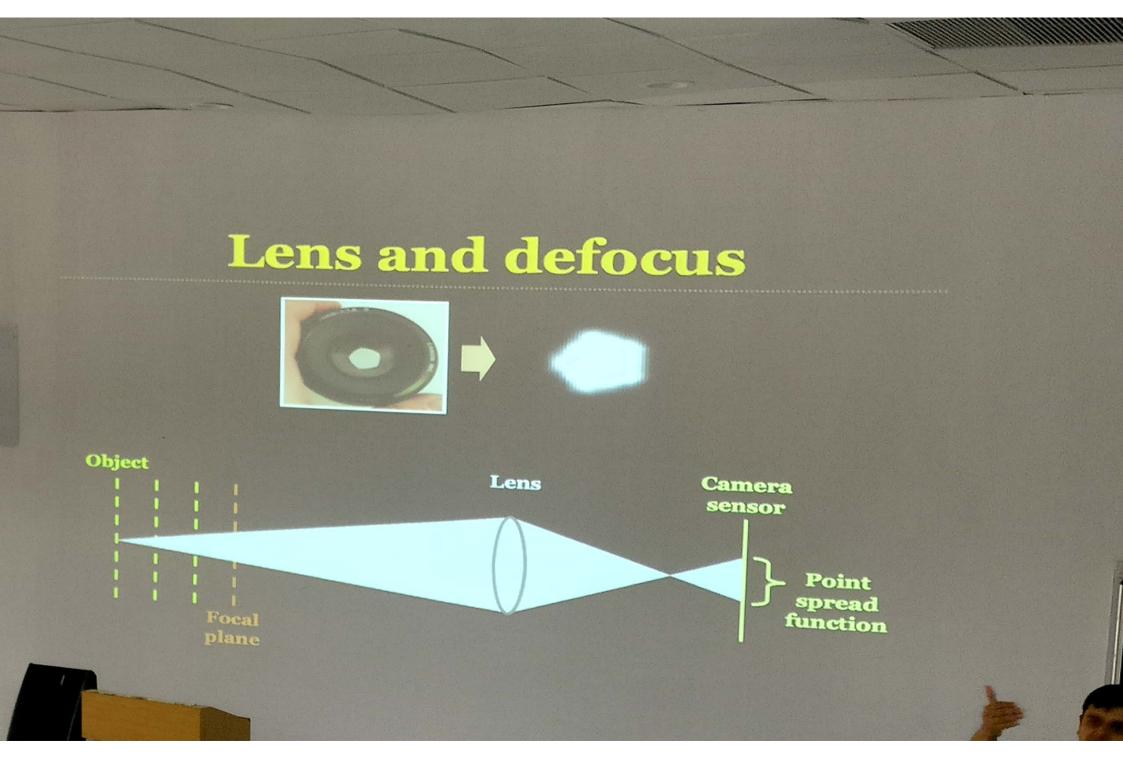


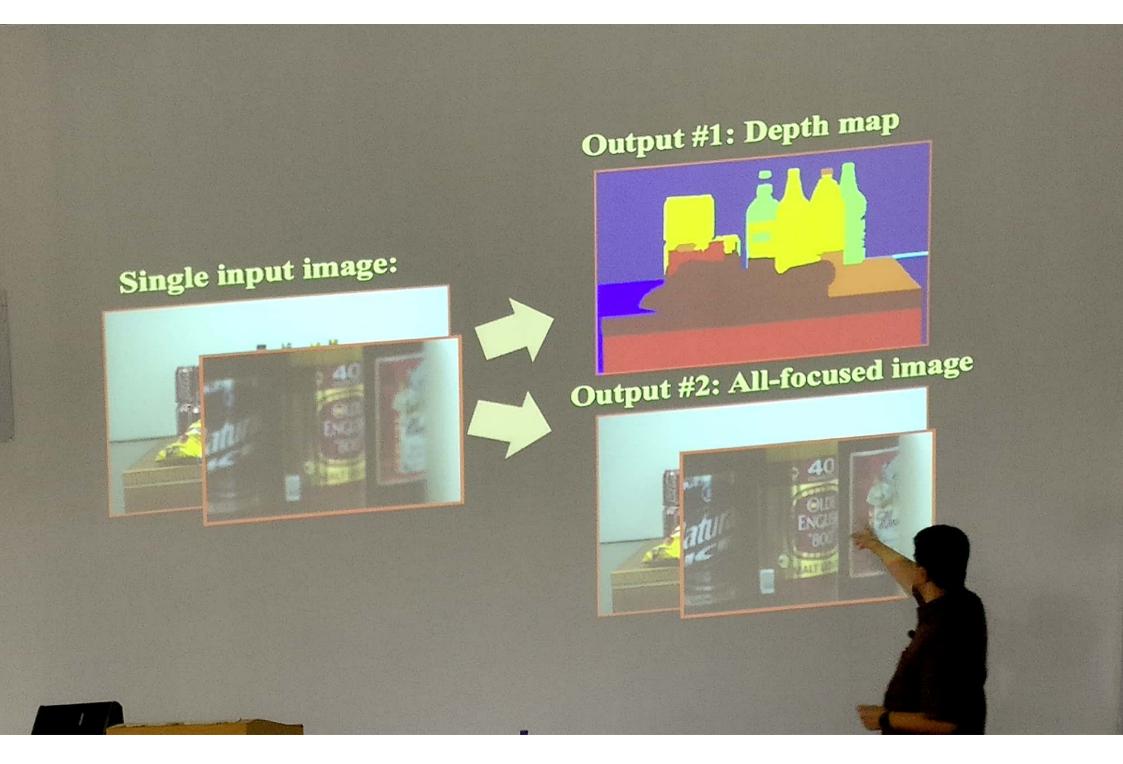
High Frequency Illumination Pattern surface source camera $L[c,i] = (1-\alpha)L_g[c,i]$ $L^{\dagger}[c,i] = L_d[c,i] + \alpha L_g[c,i]$ fraction of activated source elements

Separation from Two Images

$$lpha=rac{1}{2}$$
: $L_d=L_{
m max}-L_{
m min}$, $L_g=2L_{
m min}$ direct

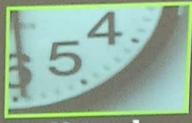






Key Ideas

- Exploit prior on natural images
 - Improve deconvolution
 - Improve depth discrimination







Unnatural

- Coded aperture (mask inside lens)
- make defocus patterns different from natural images and easier to discriminate

