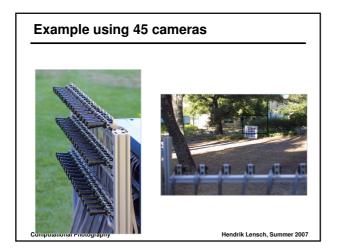
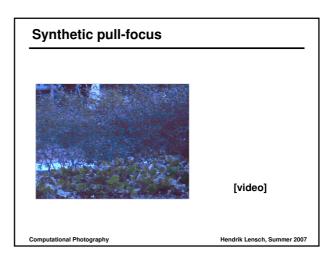
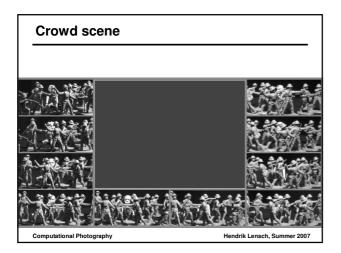
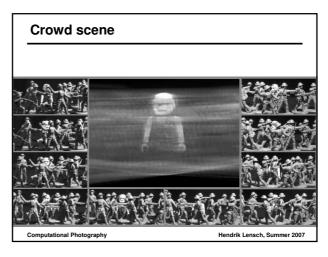


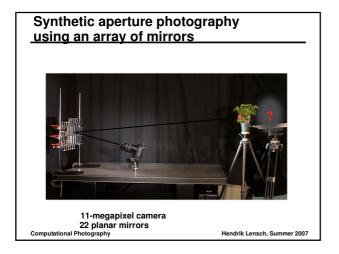
Related work	
<u>not</u> like synthetic ape	
more like X-ray tomo	synthesis
[Levoy and Hanrahar	ո, 1996]
[Isaksen, McMillan, G	Gortler, 2000]
Computational Photography	Hendrik Lensch, Summer 2007





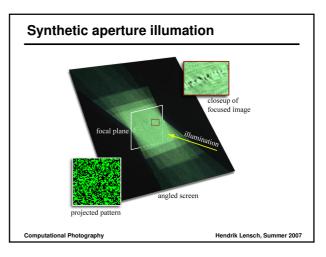


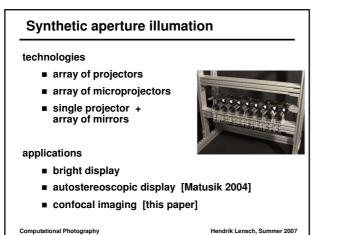


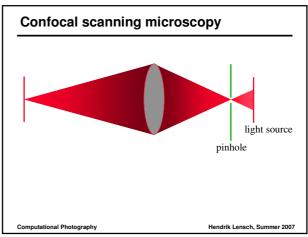


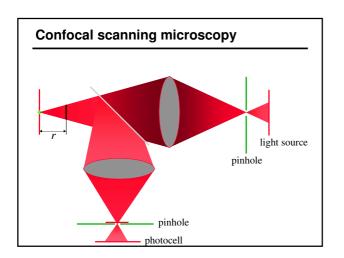


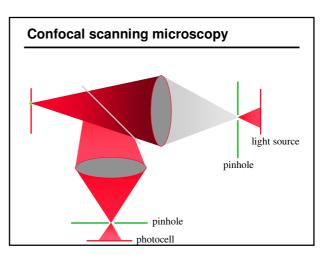


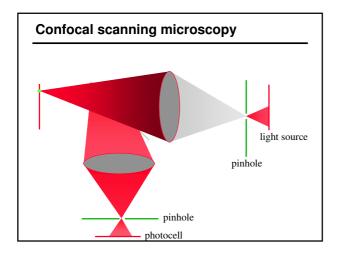


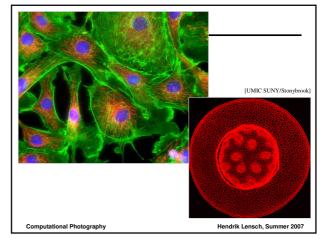


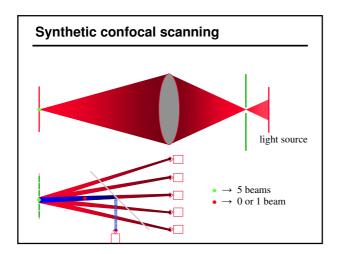


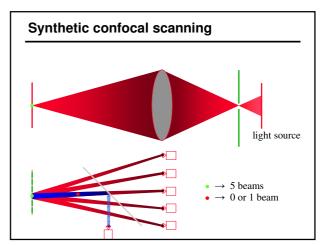


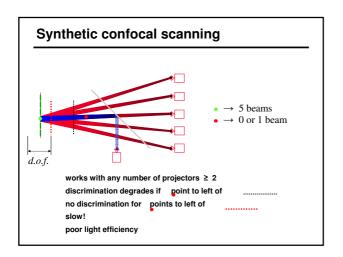


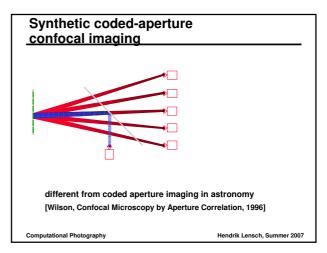


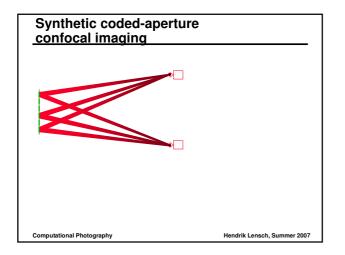


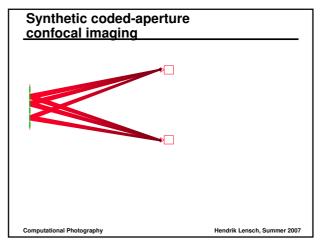


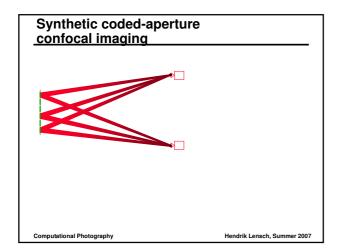


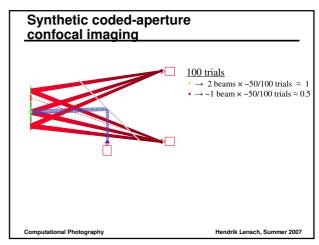


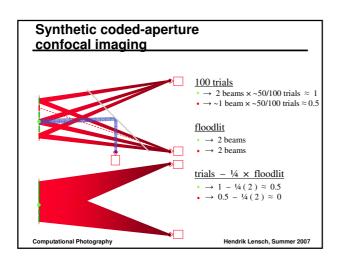


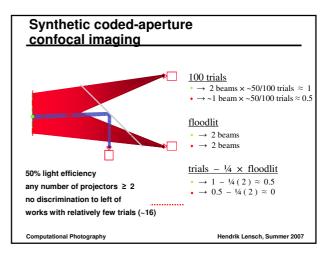


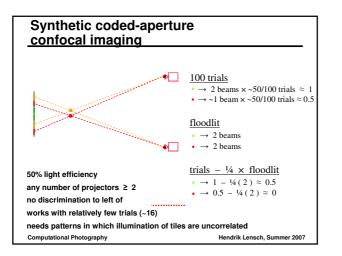


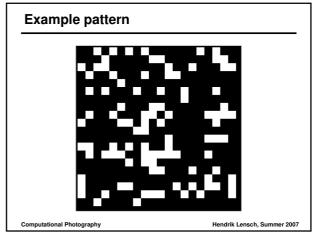


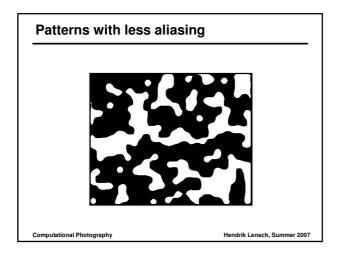


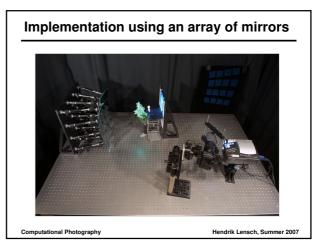


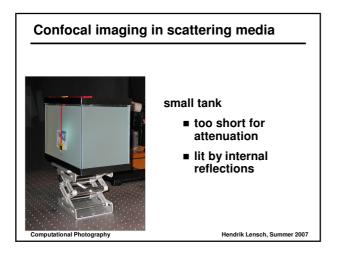


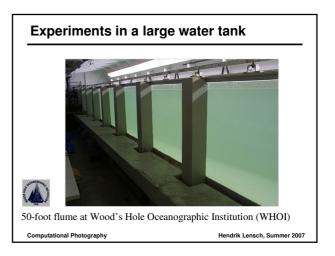


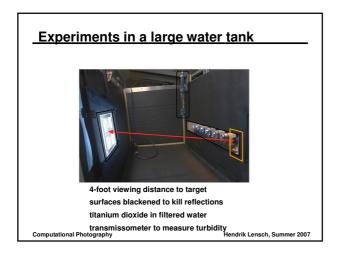


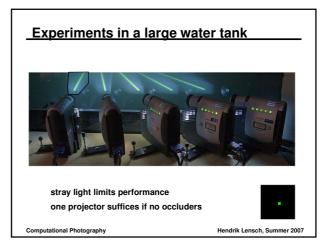


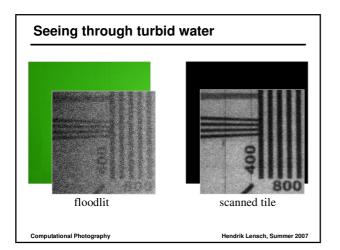












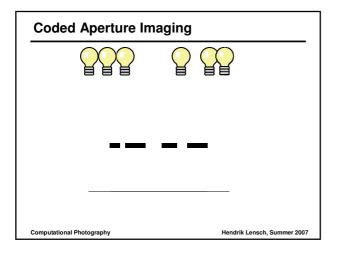
Coded Aperture

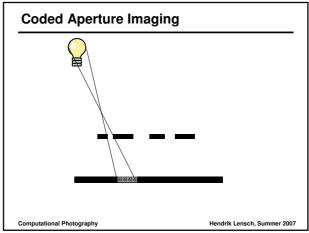
Motivation

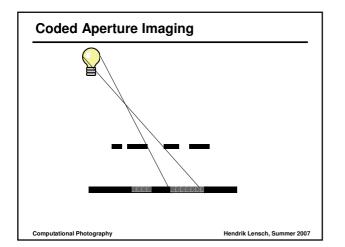
- building a camera without a lens
- hard to bend high energy rays
 astronomy, x-rays
- high energy rays can be blocked -> pinhole?
- pinhole has too much light loss
- use multiple pinholes at the same time
- how to reconstruct the desired signal?

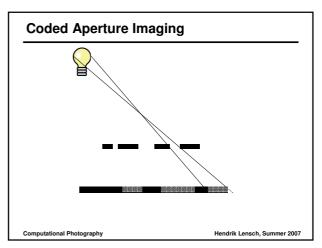
Computational Photography

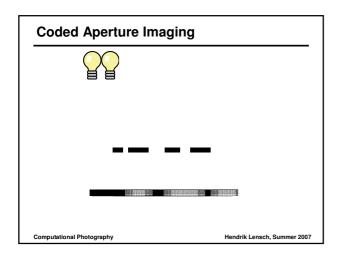
Hendrik Lensch, Summer 2007

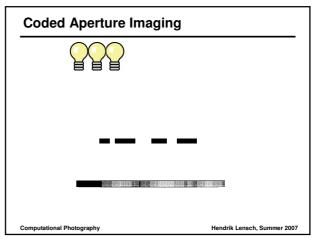


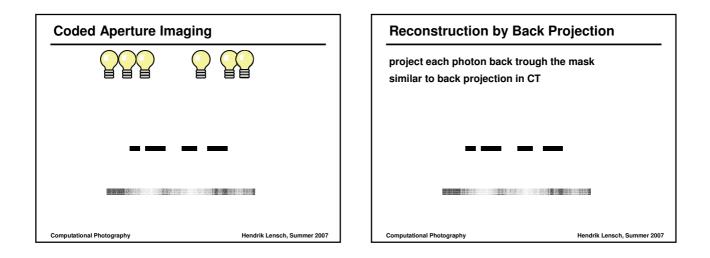


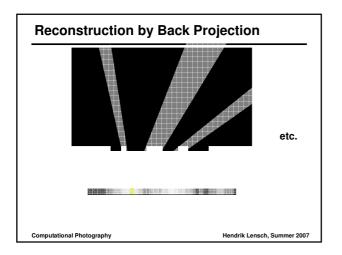


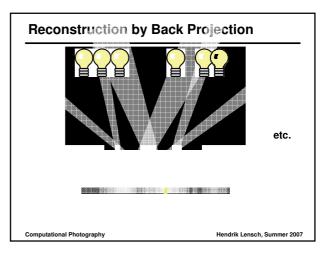


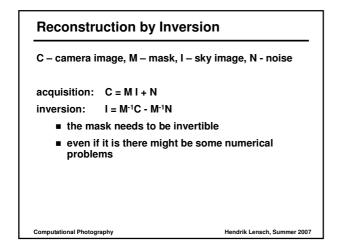


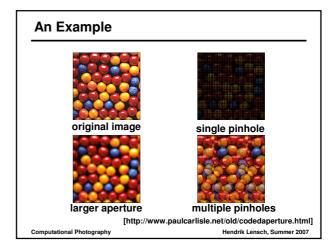


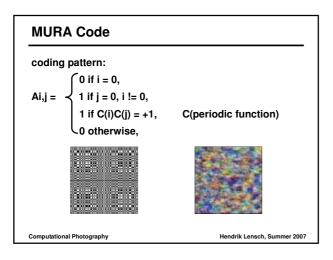


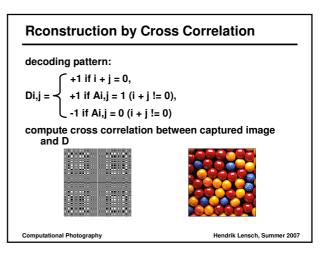




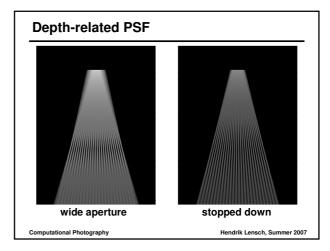


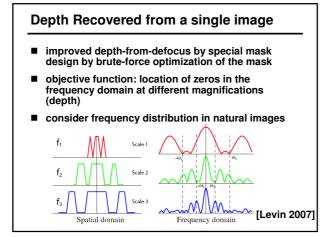








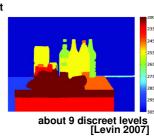




Depth Recovered from a single image

- for each image region find the filter size that best matches the observed image given natural image statistics
- combine with graph cut





Computational Photography

[Levin 2007] Hendrik Lensch, Summer 2007

