

2004: Poisson Matting



2004: Flash/No-Flash



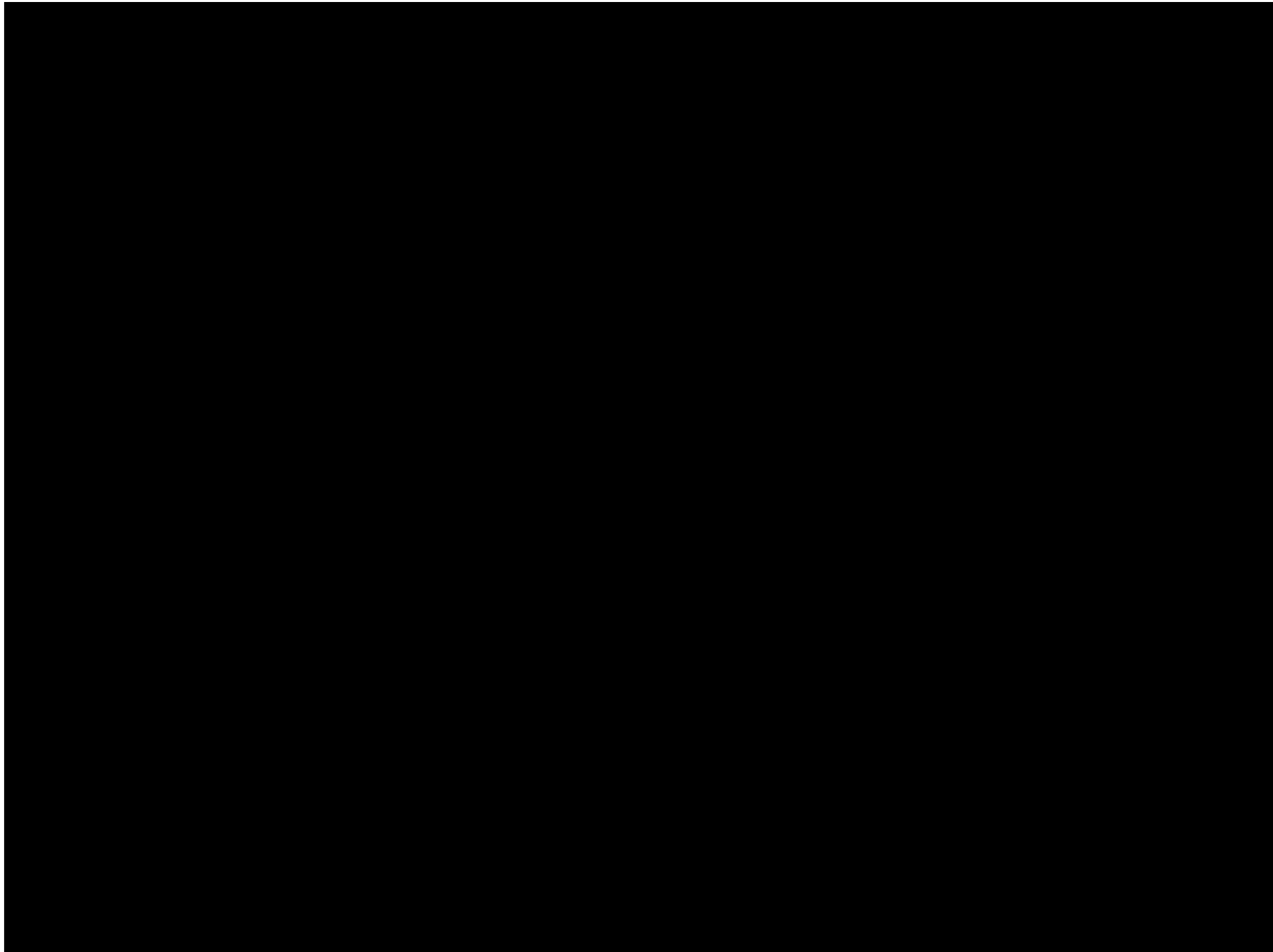
2004: Flash/No-Flash



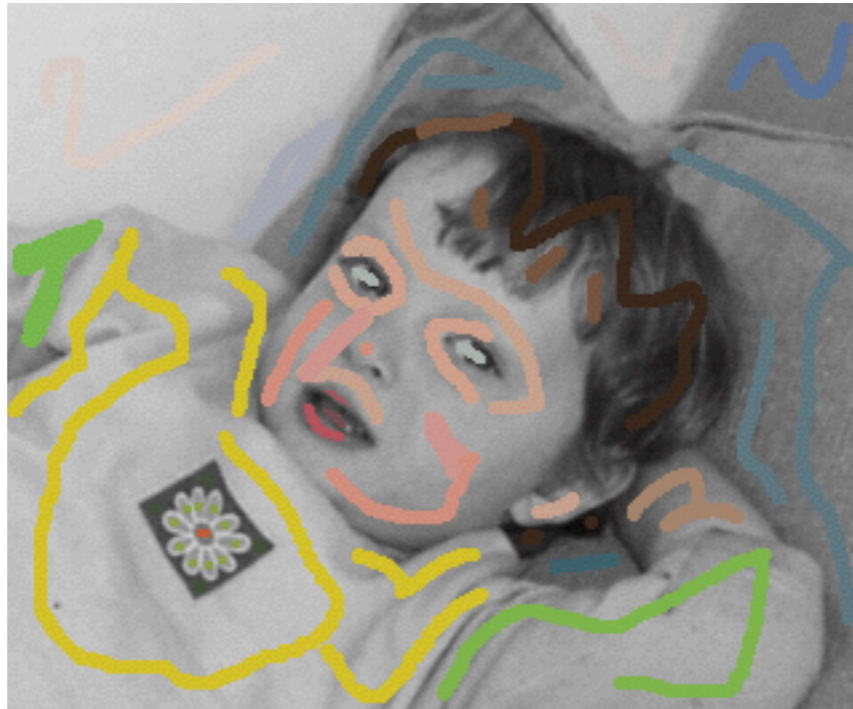
2004: Flash/No-Flash



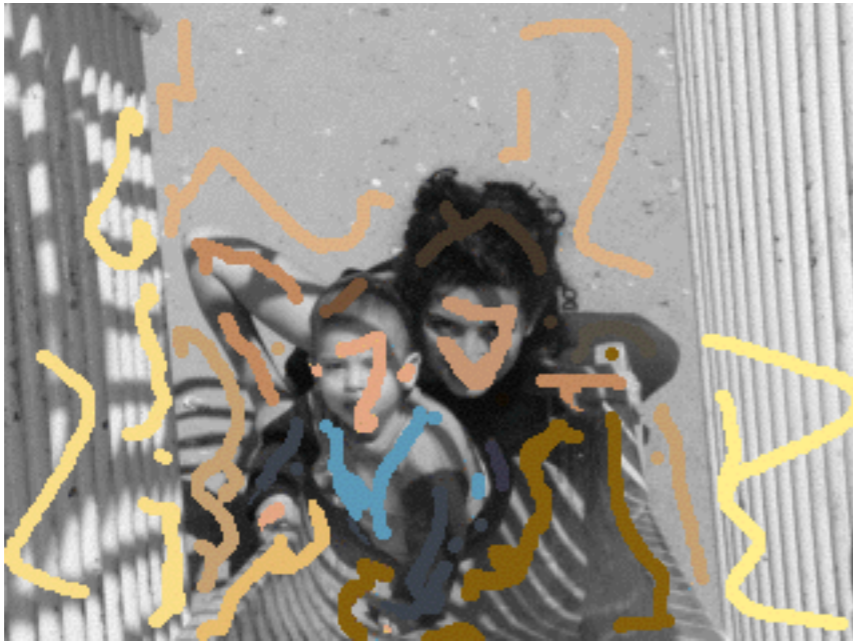
2004: The non-photorealistic camera



2004: Colorization



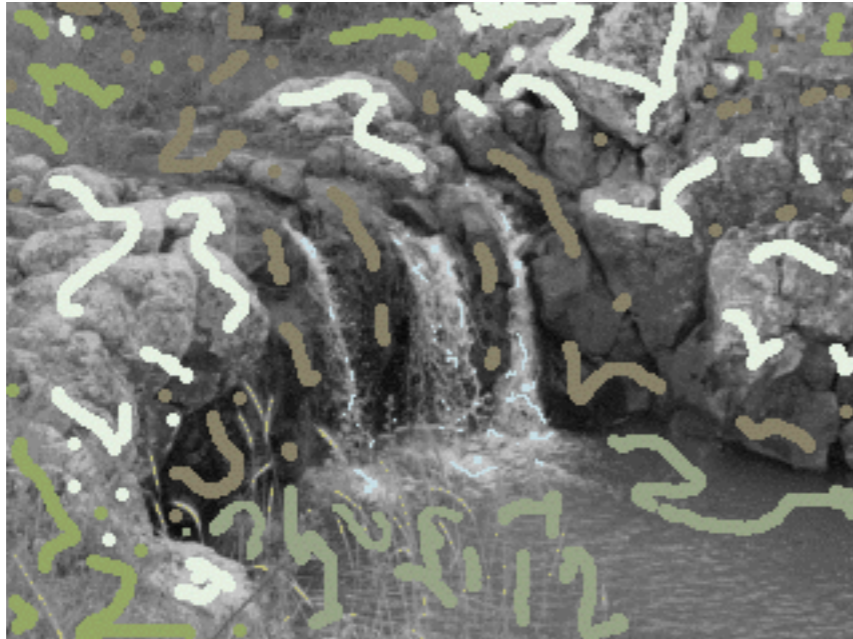
2004: Colorization



2004: Colorization



2004: Colorization



2004: Colorization



2005: Color2Gray

[http://www.cs.northwestern.edu/~ago820/color2grey/
images.html](http://www.cs.northwestern.edu/~ago820/color2grey/images.html)

2005: Defocus Video Matting

Defocus Video
Matting

papers_0312

2005: Automatic Photo Pop-up

Automatic Photo Pop-up

D. Hoiem A.A. Efros M. Hebert
Carnegie Mellon University

2005: Motion Magnification

Motion Magnification

Ce Liu

Antonio Torralba

William T. Freeman

Fredo Durand

Edward H. Adelson

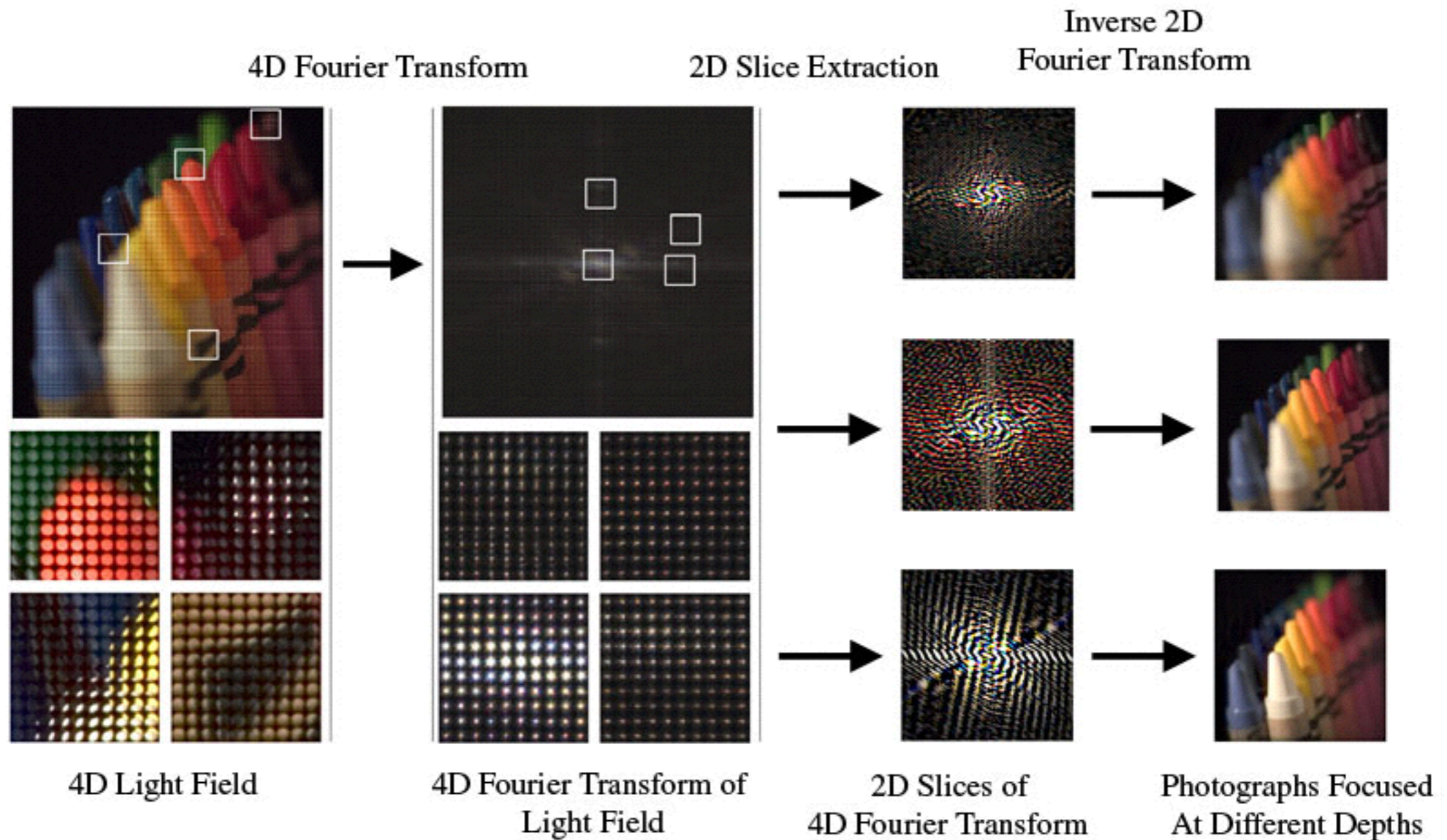
**Massachusetts Institute of Technology
Computer Science and Artificial Intelligence Laboratory**



SIGGRAPH2005

The 32nd International Conference on Computer Graphics and Interactive Techniques

2005: A New Camera



Dual Photography

Pradeep Sen* Billy Chen* Gaurav Garg* Stephen R. Marschner†
Mark Horowitz* Marc Levoy* Hendrik P.A. Lensch*

*Stanford University

†Cornell University



2005: Camera Arrays

**High Performance
Imaging Using Large
Arrays of Cameras**

Online ID: papers_0440

2006: Drag and Drop

http://www.cse.cuhk.edu.hk/~leojia/all_project_webpages/ddp/drag-and-drop_pasting.html

2006: Deblur



2006: Fluttered Shutter

<http://web.media.mit.edu/~raskar/deblur/>

2007: Scene Completion



Original Image

Input

Scene Matches

Output

2007: Photo-Clip Art



Soft Scissors

**Soft Scissors: An Interactive Tool
for Realtime High Quality Matting**

Jue Wang, University of Washington

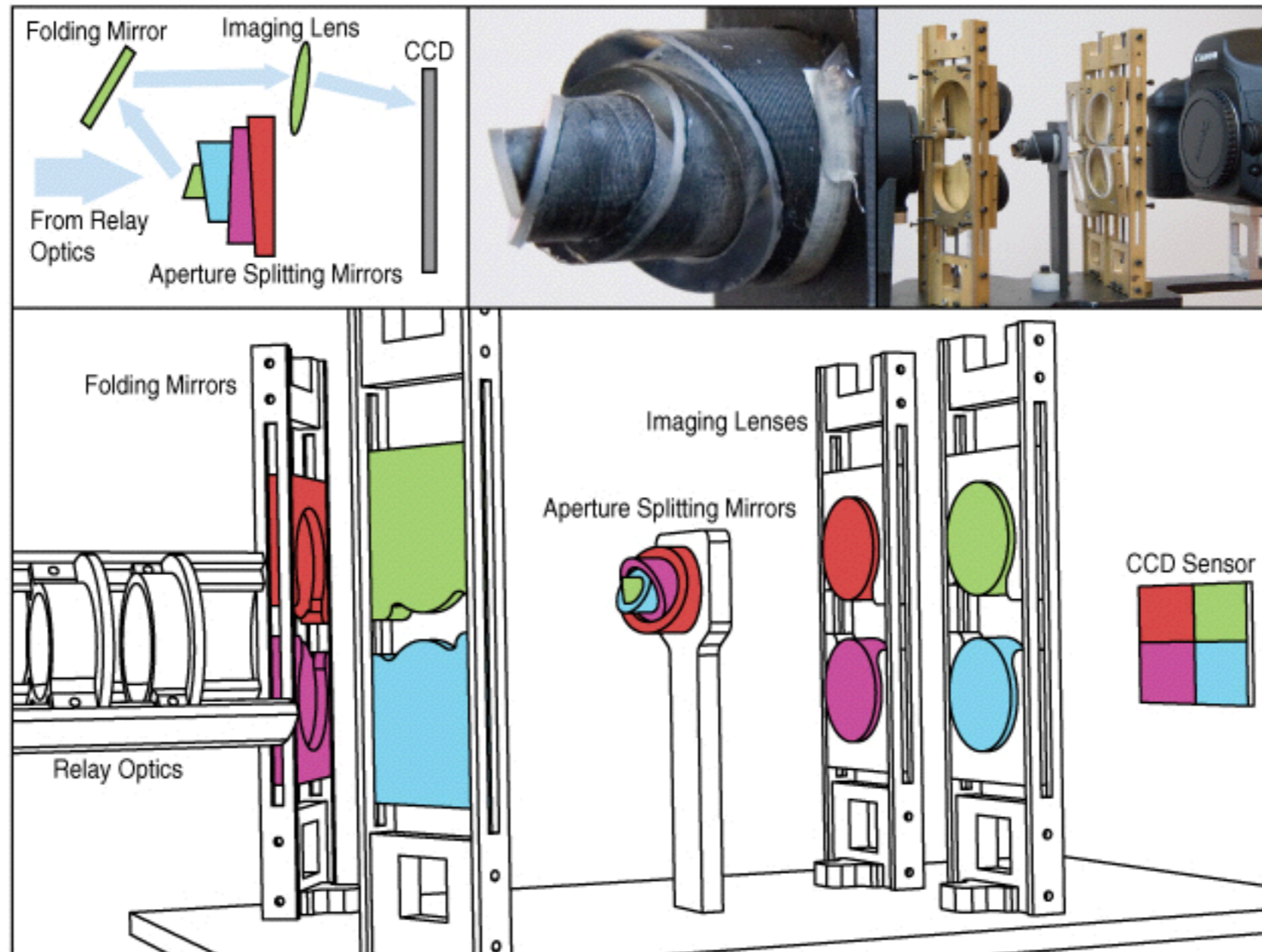
Maneesh Agrawala, University of California, Berkely

Michael Cohen, Microsoft Research

2007: Seam Carving

<https://www.youtube.com/watch?v=6NclJXTlugc>

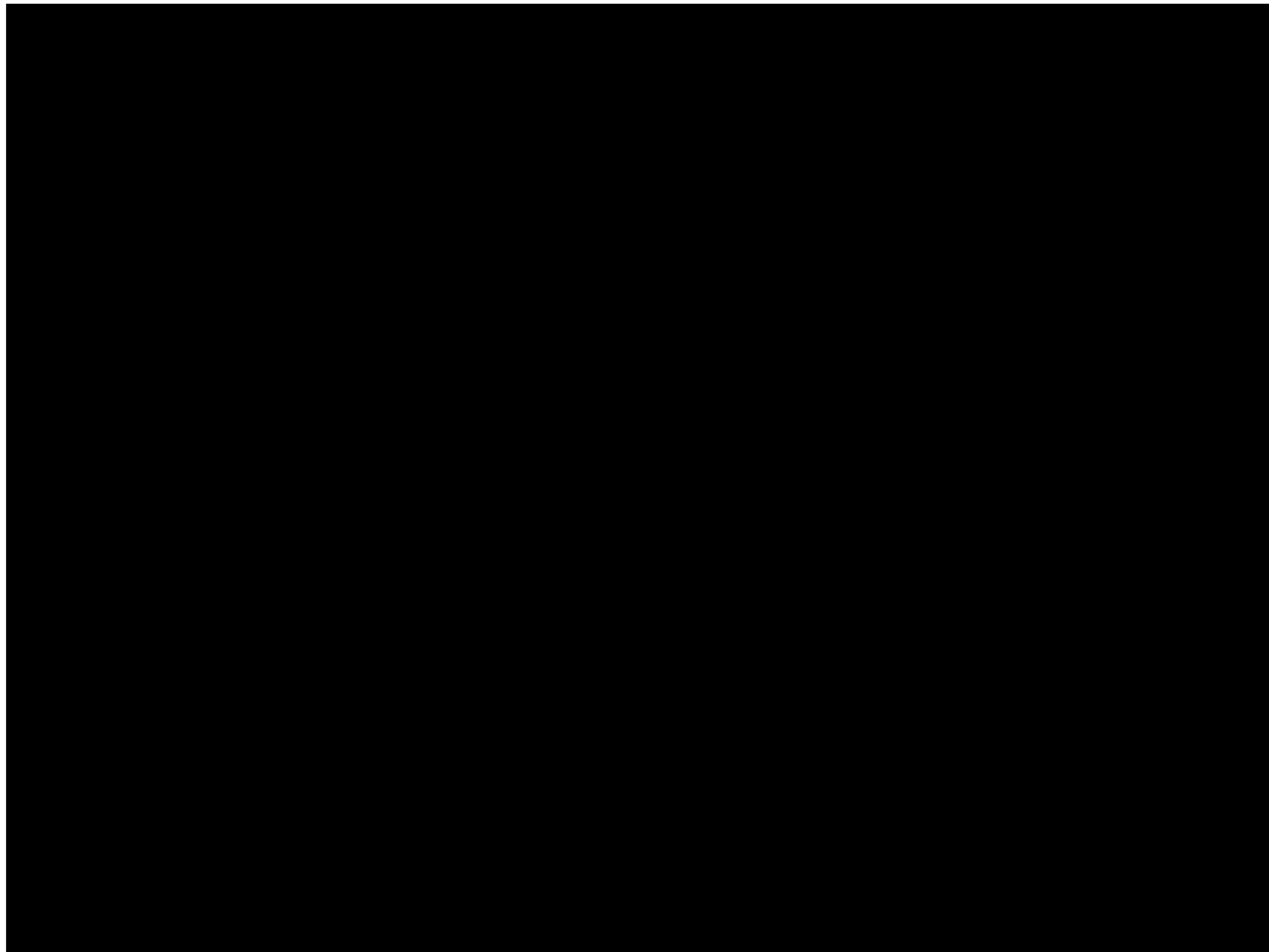
2007: Multi-aperture



2007: Coded Aperture

<http://groups.csail.mit.edu/graphics/CodedAperture/>

2007: Gigapixel Images



2012: Video Magnification

<https://www.youtube.com/watch?v=ONZcjs1Pjmk>

2014: Visual Recovery of Sound

<https://www.youtube.com/watch?v=FKXOucXB4a8>