

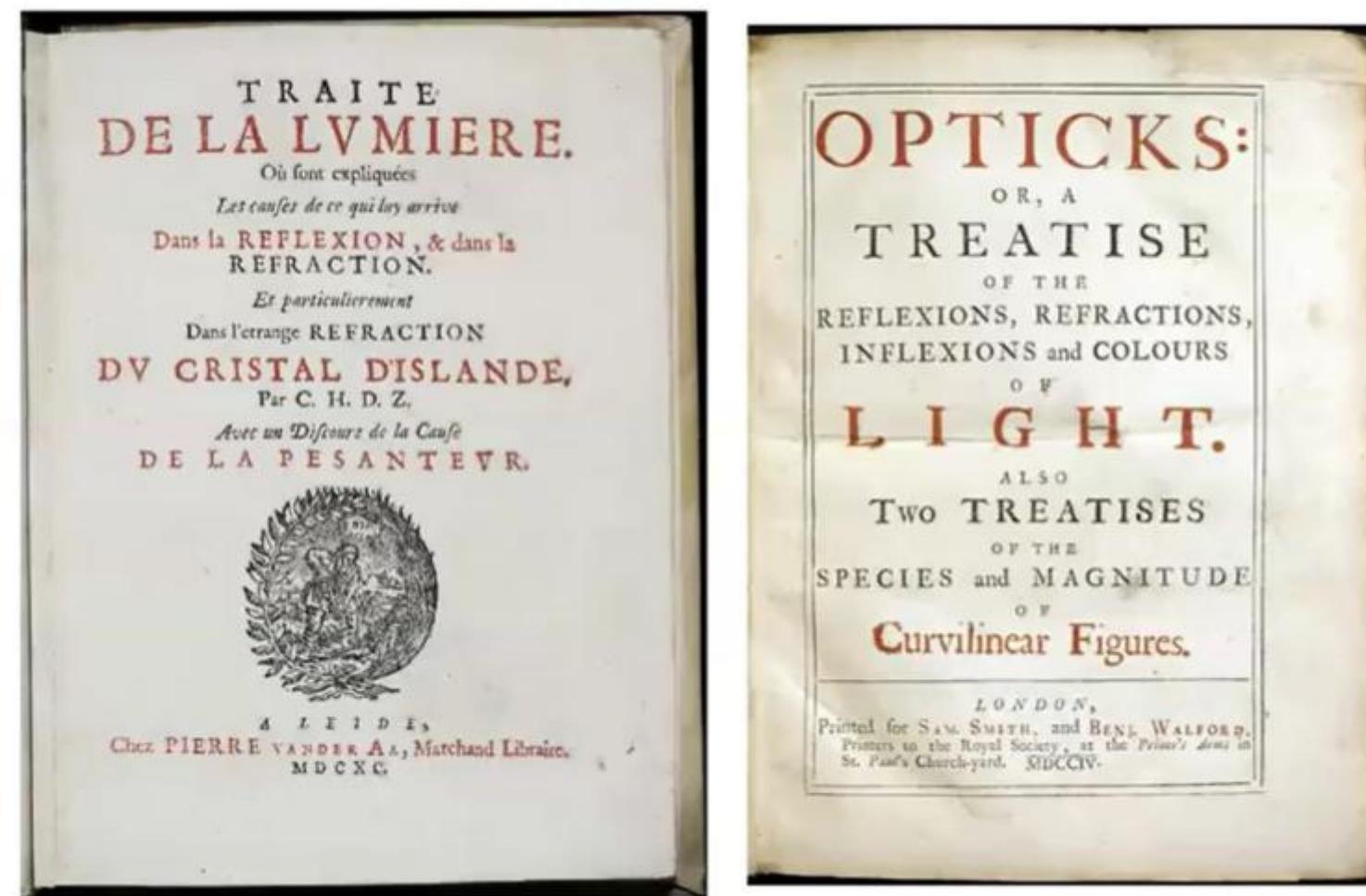


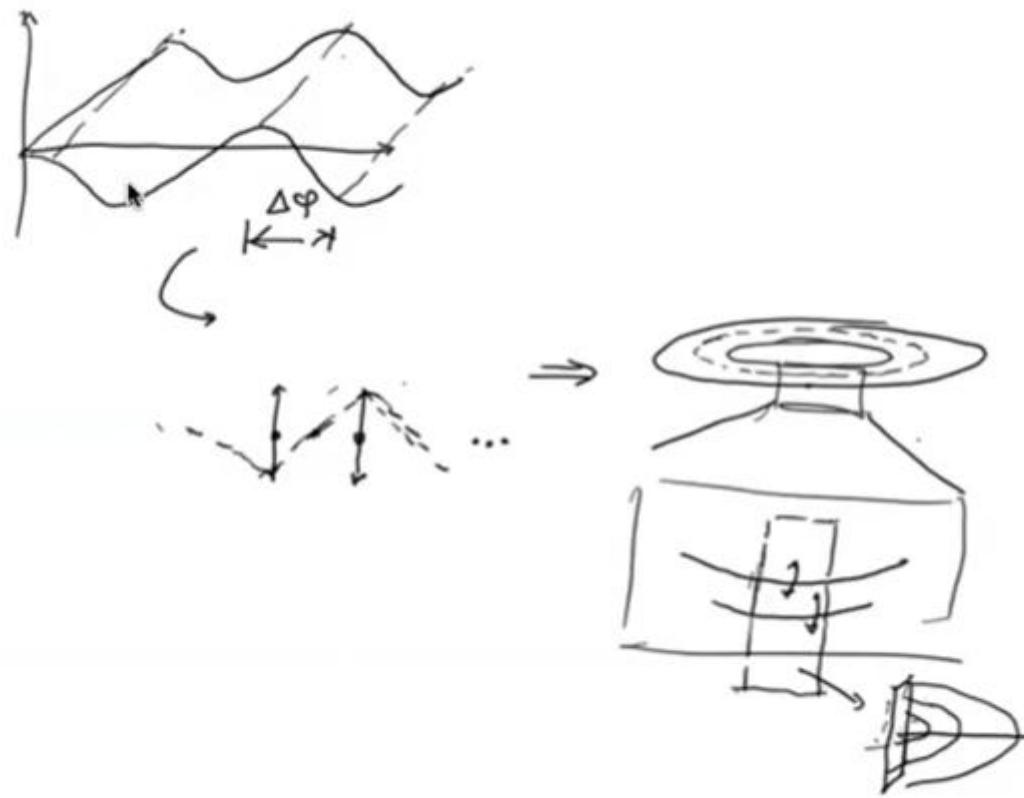
# Zoom sessions with Steve Shore

Season 2 – 16/01/2026

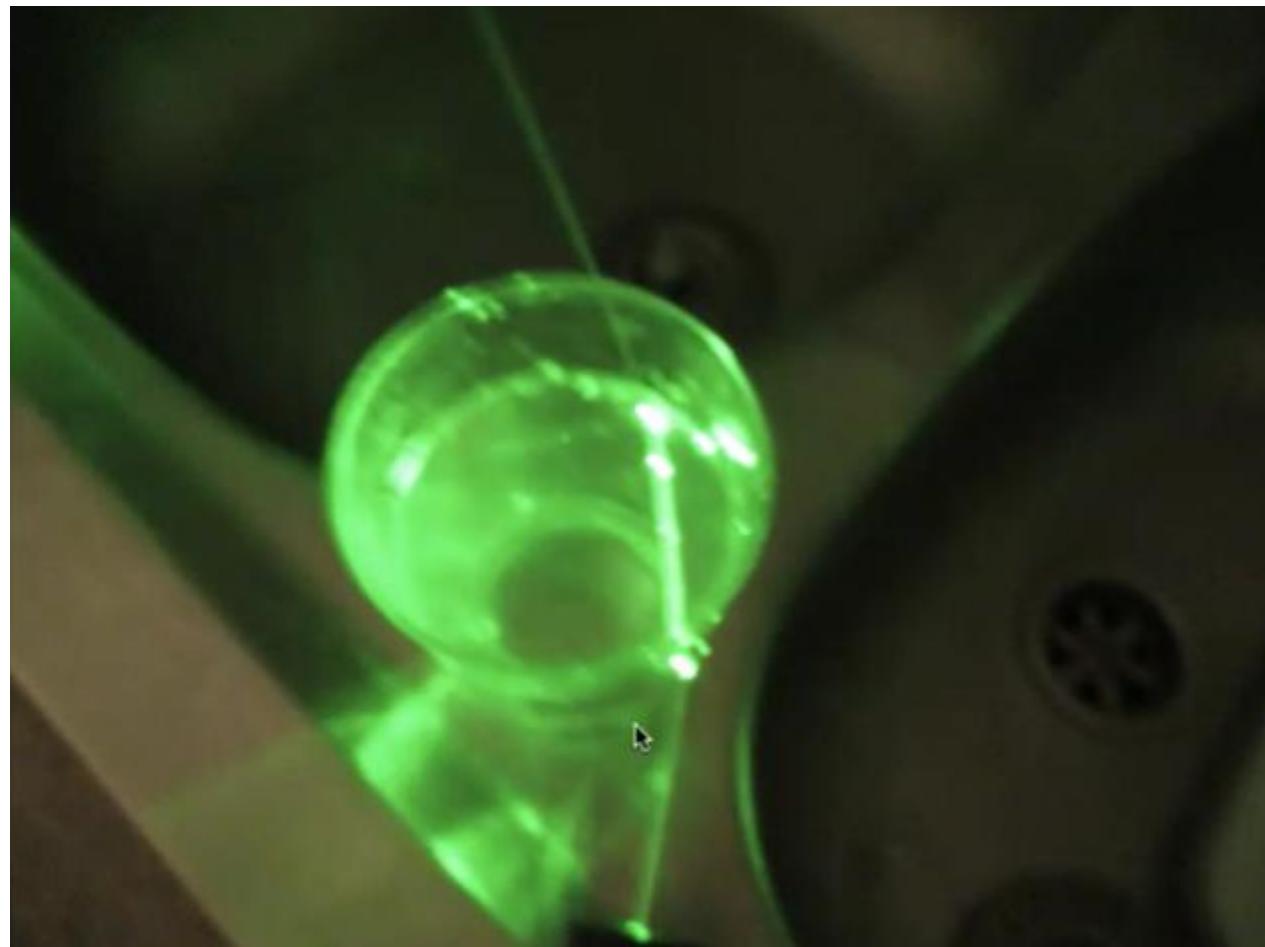


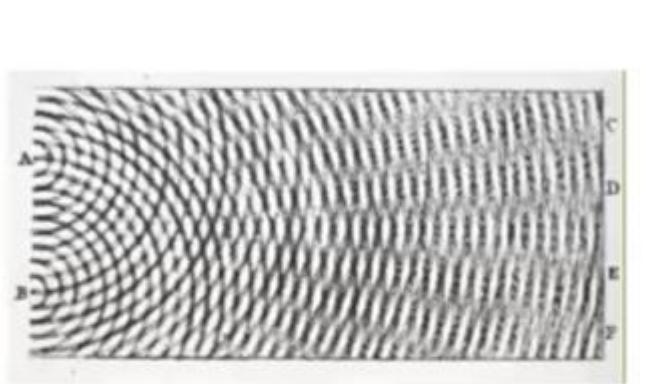
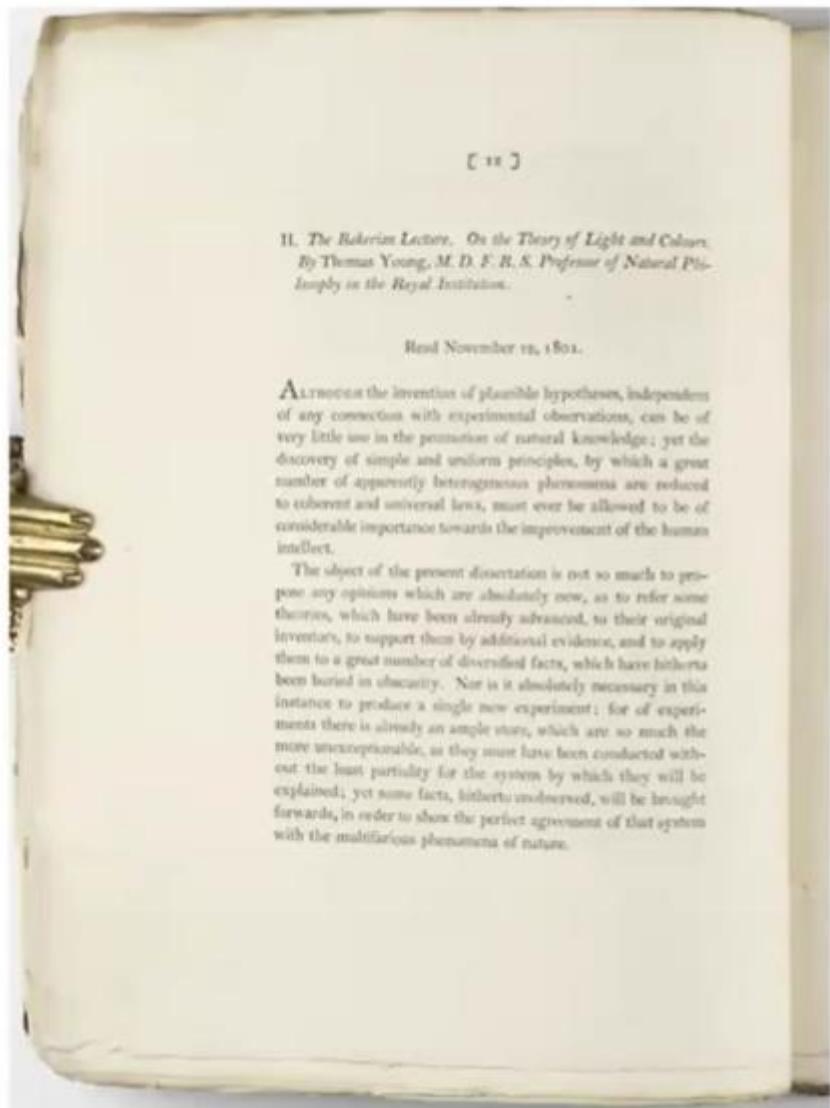
Credit: Maja Petric



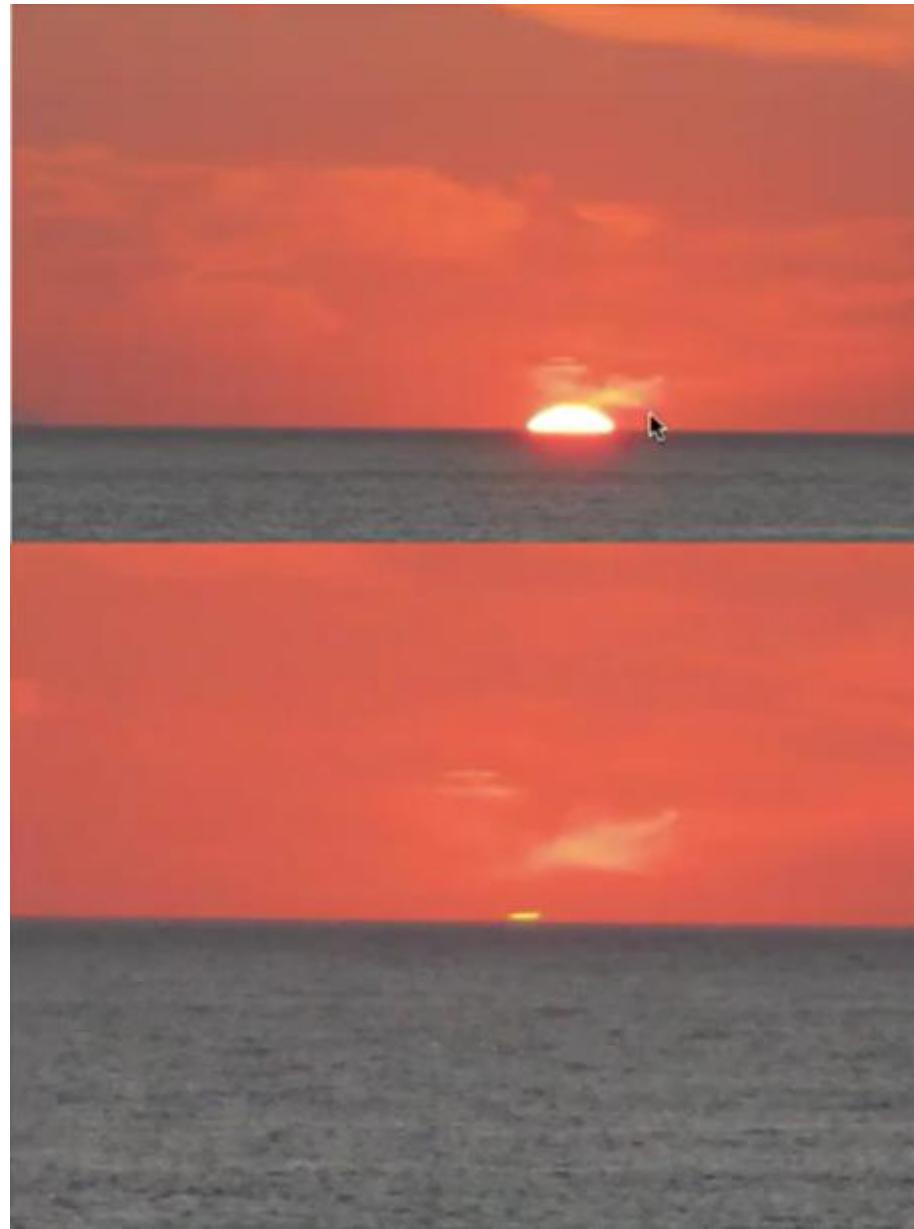








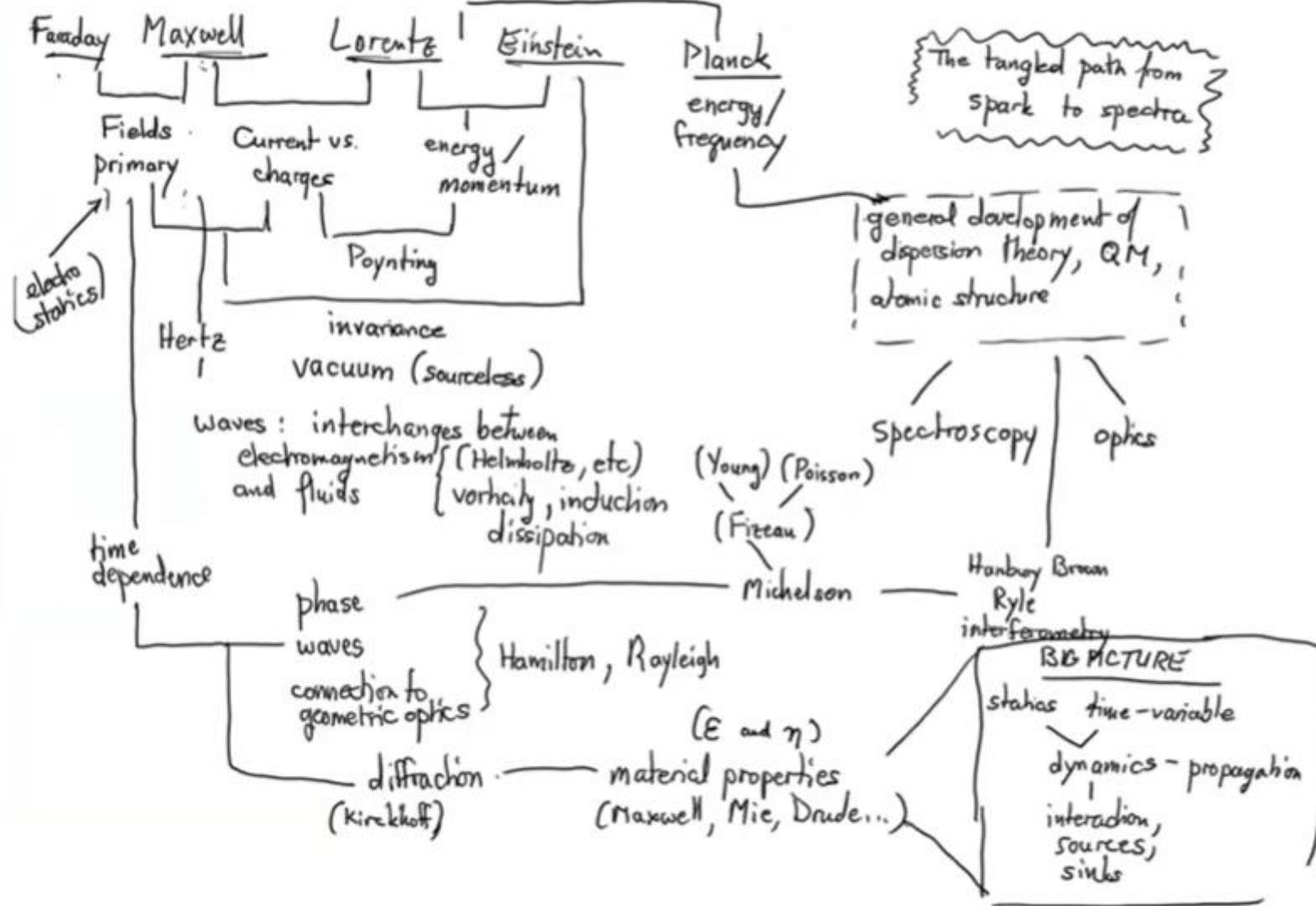






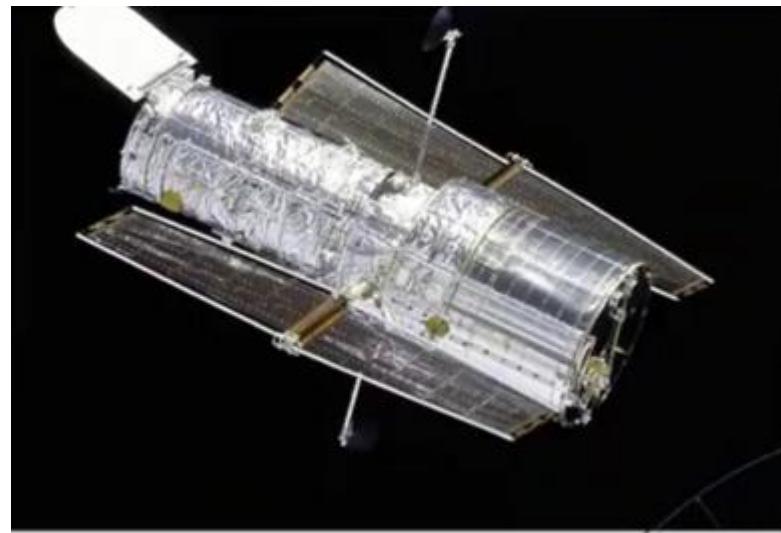




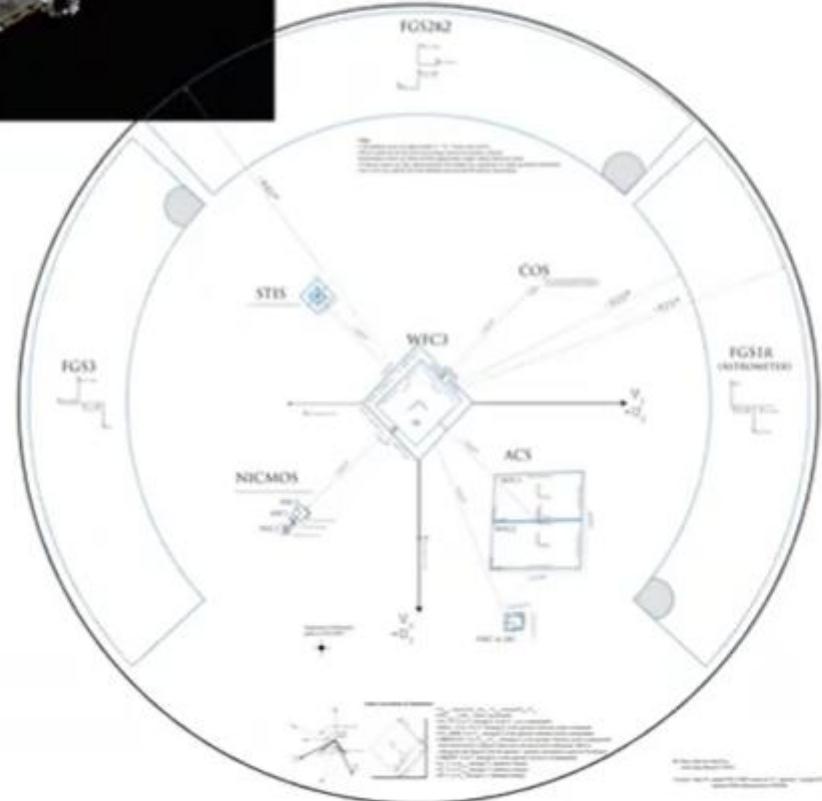


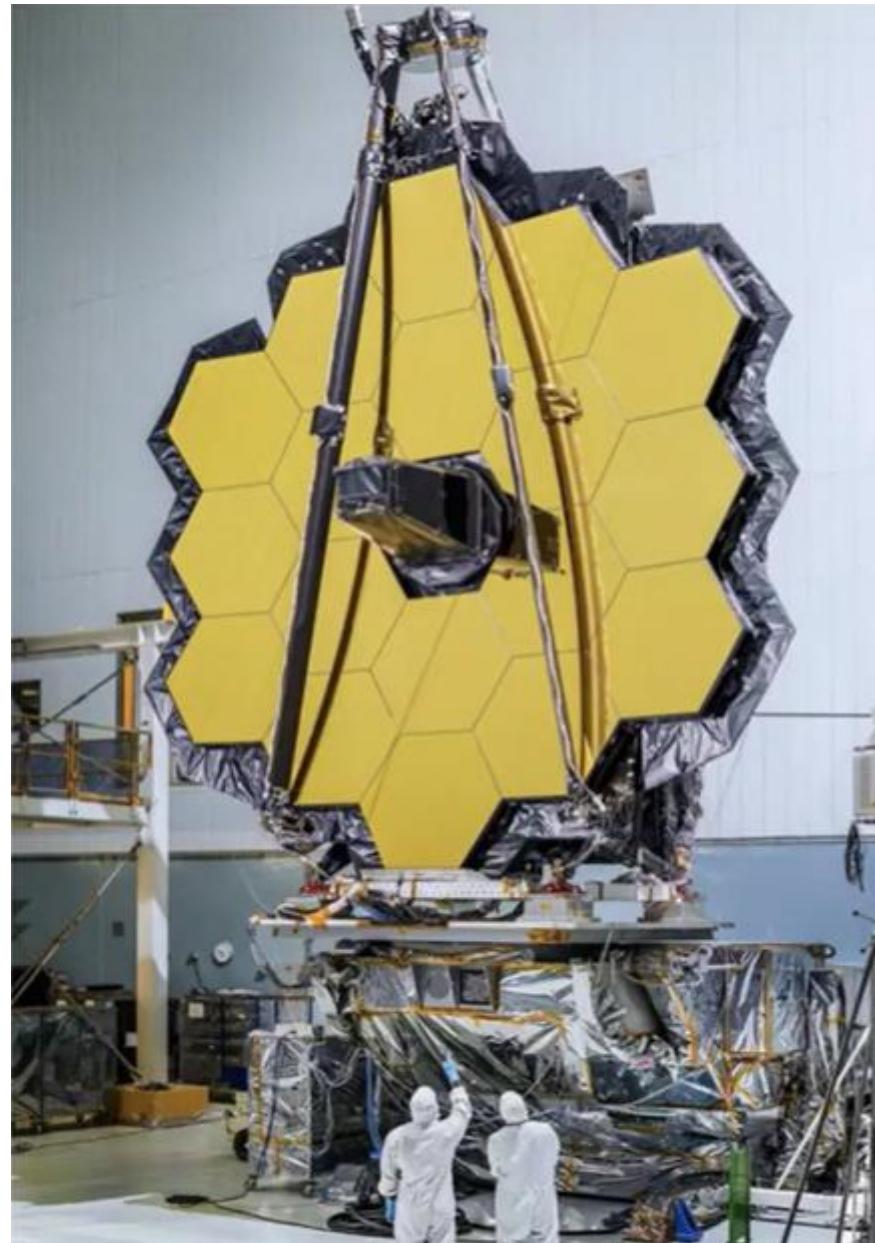


A thought for **Ricky**



HUBBLE SPACE TELESCOPE FIELD OF VIEW  
POST-SMA CONFIGURATION









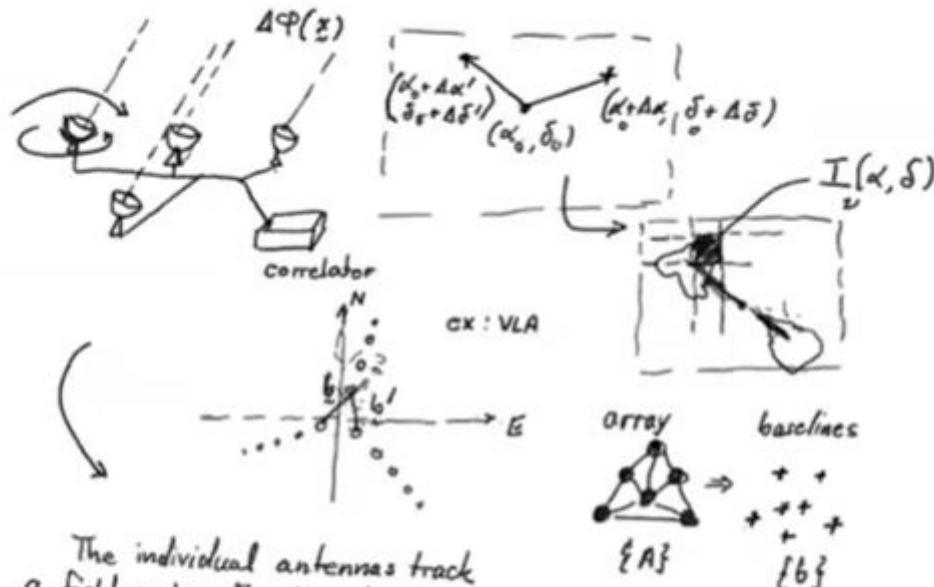


**Arecibo: 300 meter**



**FAST: 500 meter**

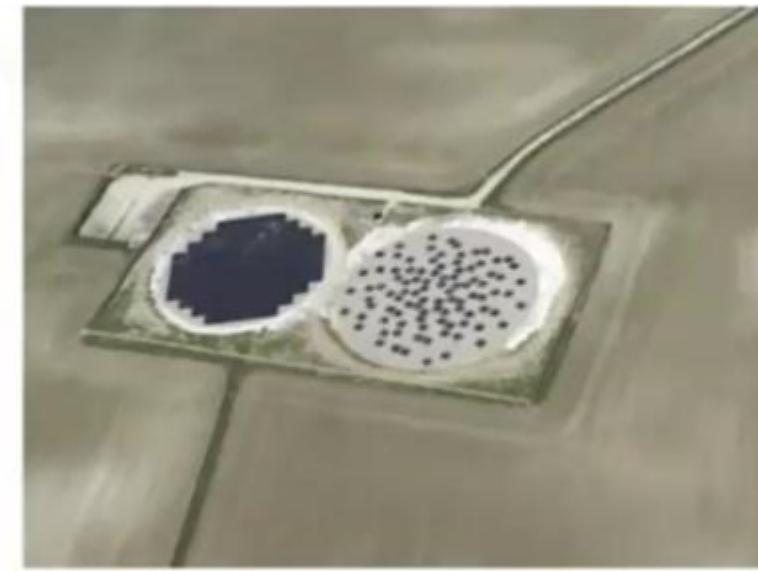




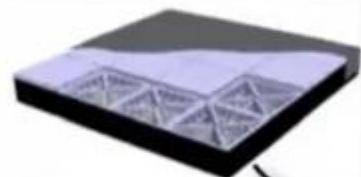
The individual antennas track a field center, the lines to the correlator are adjusted by a control pointing to remove that delay (and flat field the array) so only  $(\Delta\alpha, \Delta\delta)$  [small angle limit] remains





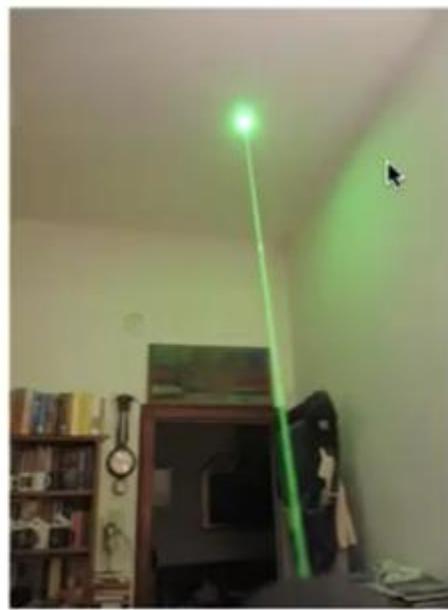
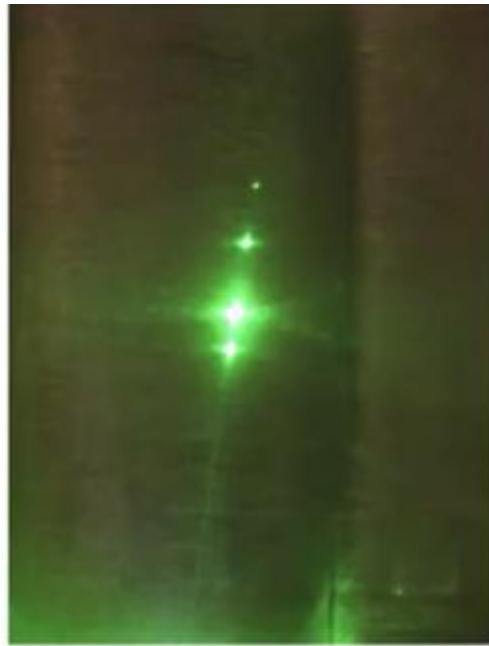


**High-Band Antenna  
(HBA)**



**Low-Band Antenna  
(LBA)**





## SPECKLE INTERFEROMETRY: DIFFRACTION-LIMITED MEASUREMENTS OF NINE STARS WITH THE 200-INCH TELESCOPE\*

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### ABSTRACT

A new method has enabled us to repeat most of the classical Michelson-Pease measurements of stellar diameters. Stellar images are photographed "coherently" with a special camera. They contain a fine structure from which diffraction-limited information is extracted by optical processing. Nine of the stars observed were resolved, showing angular dimensions as small as  $0''.016$ . Limb darkening is evidenced in  $\alpha$  Ori, and a faint companion is found for  $\beta$  Cep.

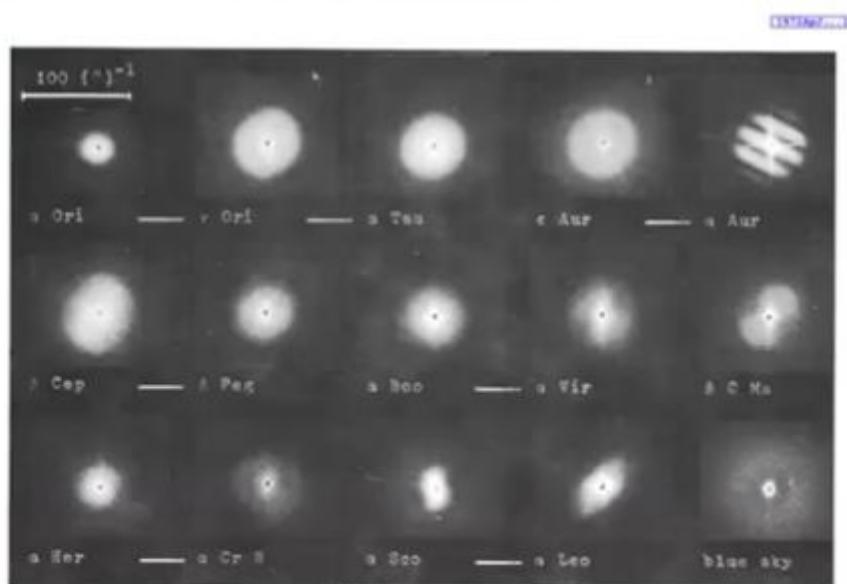


FIG. 2.—Composite Fourier transforms, showing resolution of six stellar disks and two binaries. Object-reference pairs are indicated by a bar. The alteration in the case of  $\beta$  CMa is believed to result from telescope aberrations. The "blue sky" transform shows the effect of pure photon-noise granularity.

GEZARI *et al.* (see page L3)

