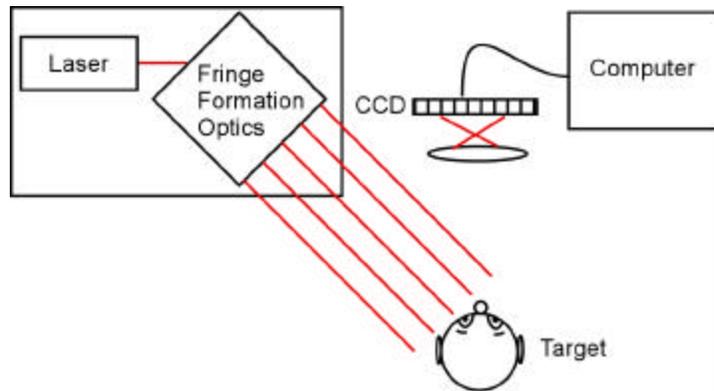
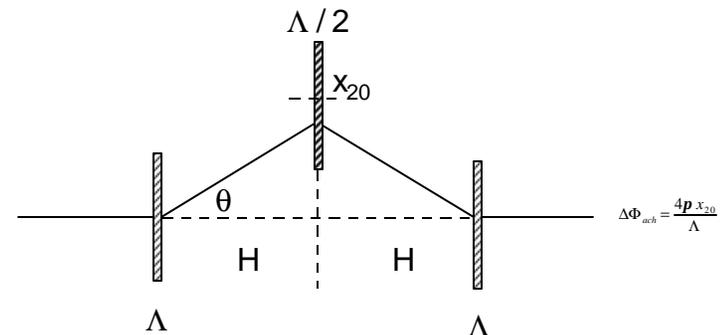


# Rapid Precision Contouring of 3-D Objects

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Structured Illumination Contouring



Achromatic Phase Shifter (Pat. Appl.)

## Objectives

- Measure the 3-dimensional surface profile of an object using the projection of structured illumination
- Explore theoretical system resolution limits
- Implement sub-system improvement
  - Illumination / measurement
  - Data processing
  - Data display

## Approach

- Achromatic Phase Shifter (George and Stone, 1988)
- Multiple Wavelength Imaging
- External Laser Stabilization
- Improved Processing Algorithms

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