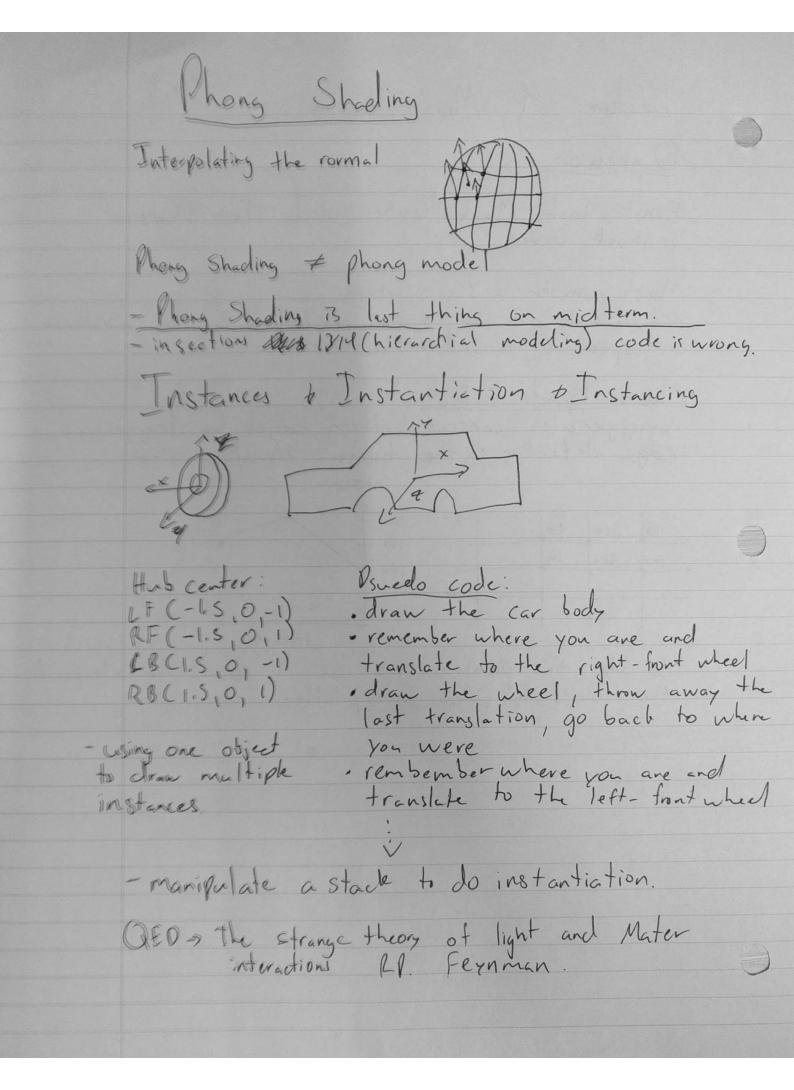
May 29th, 2017 Lecture 9 More Shading Digression Ernst Mach. Mach Number and the Study of Shock waves. Mach number = 1/a, where V= velocity of the source relative to the medium
a = speed of sound in the medium Mach Band Effect Exaggerates contrast between edges by triggering edge detection in the human visual system. intensity 200 7 100 200 150 150 (00distance? me use 3 points to interpent - to solve this problem the color. Bicubic interpolation.



May 291, 2017 Light QED #1: Electron goes from one place to another #2: Photon goes " " " #3: An electron can absorb or emit a photon amplifier sending more photom causes more clicks at the amplifier due to the particle nature of light le one phot do reflection thickness of glan Blay (beometrical) optics > particle nature of light wave optics > wave nature of light.
> use wavelength from were, otherwise ignore. Gabore is not on exams 6

Basic Radiometric Quantities What is the difference between energy, power (flux) and intensity? Energy: How Much? Power: what rate? Intensity: What rate in what direction? Spectral Radiant Power (D): the amount of light hitting a surface during a set period of time. DA dackw) h= wavelength of light Special Radiant Intensity: the amount of power travelling from a source in a Certain direction

(DIA = dDA) (W) 7 Sterodian differential dwg (Sr) Solid