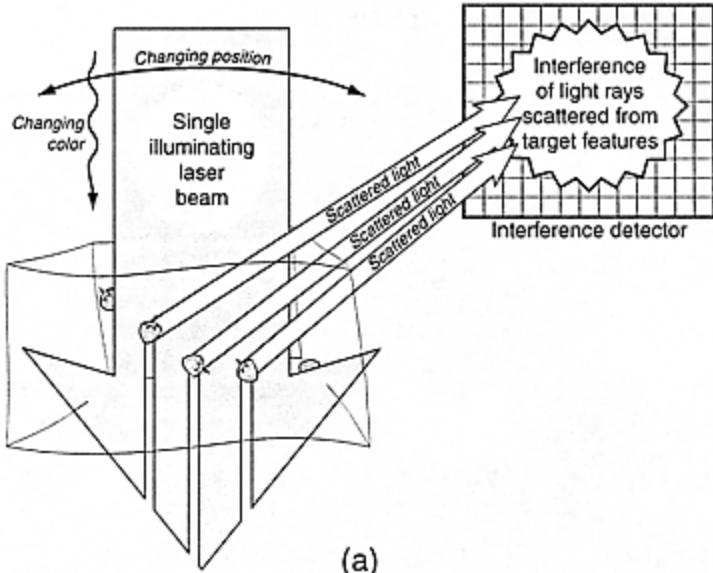
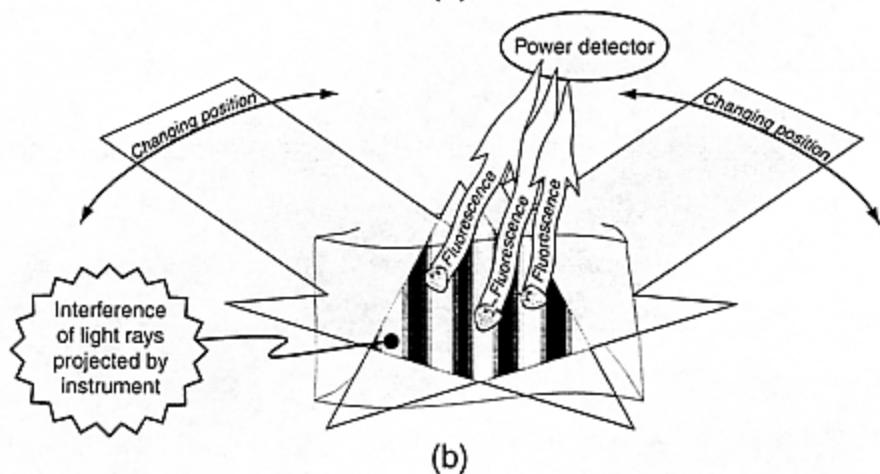


*One-beam SAM
measures
complicated
interference effect*



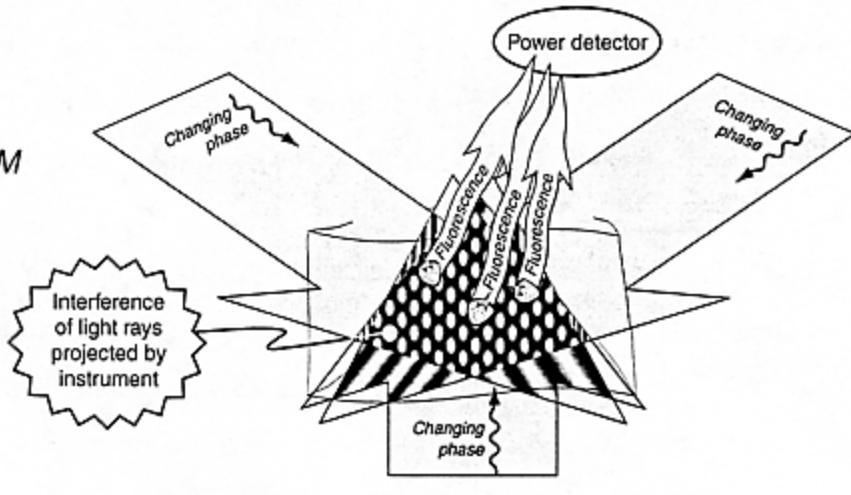
(a)

*Two-beam SAM
measures
simple effect
with changing
geometry*

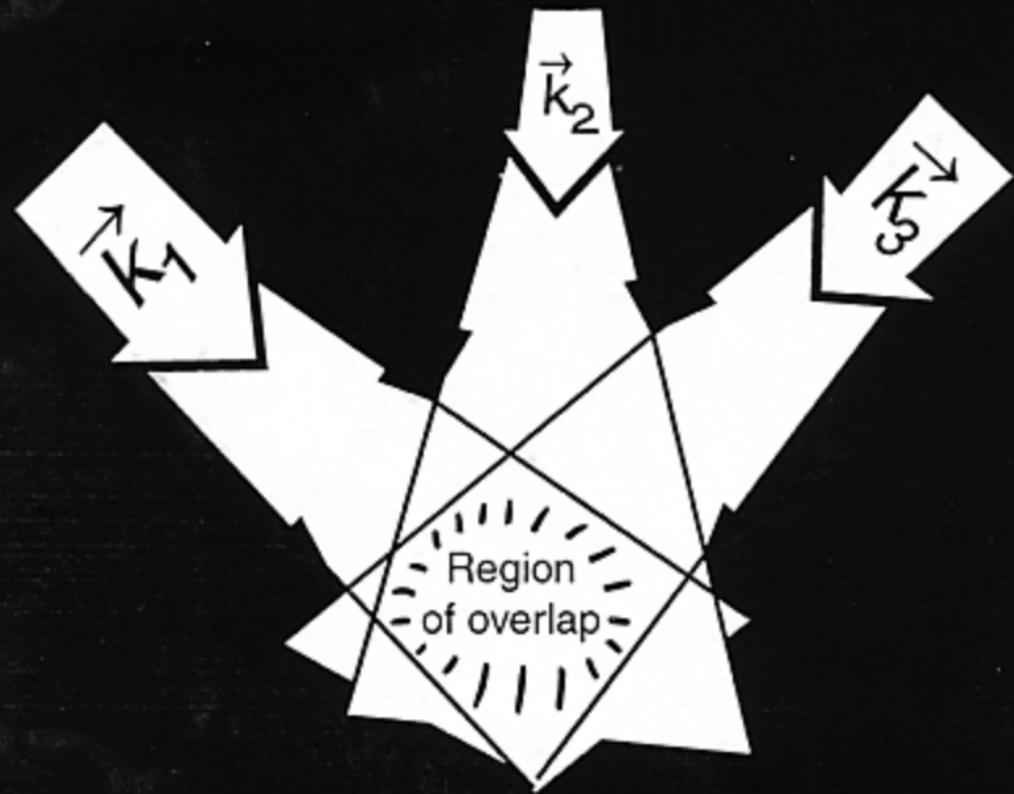


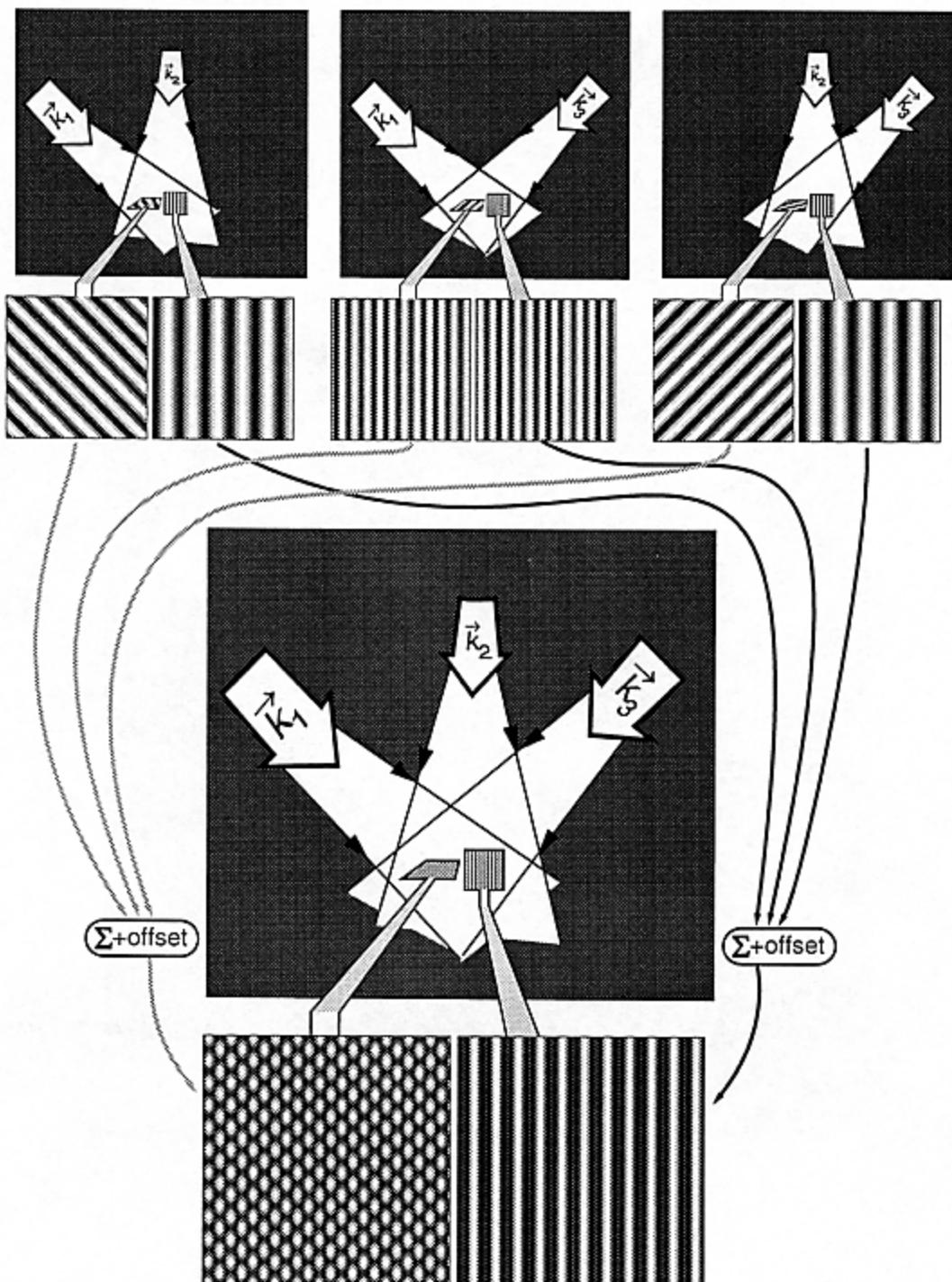
(b)

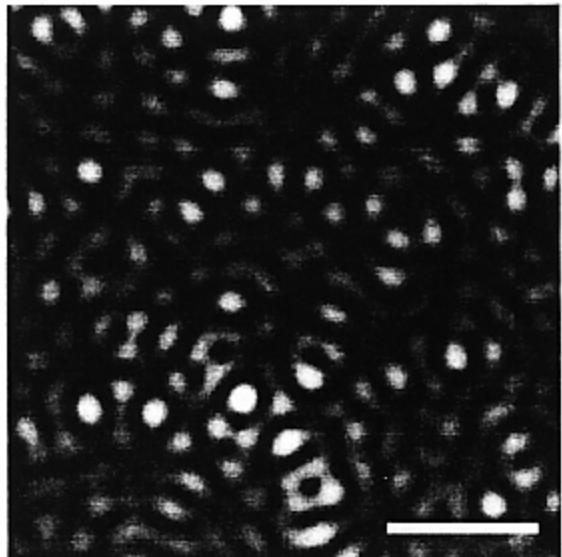
*Many-beam SAM
measures
simple effect
with **fixed**
geometry*



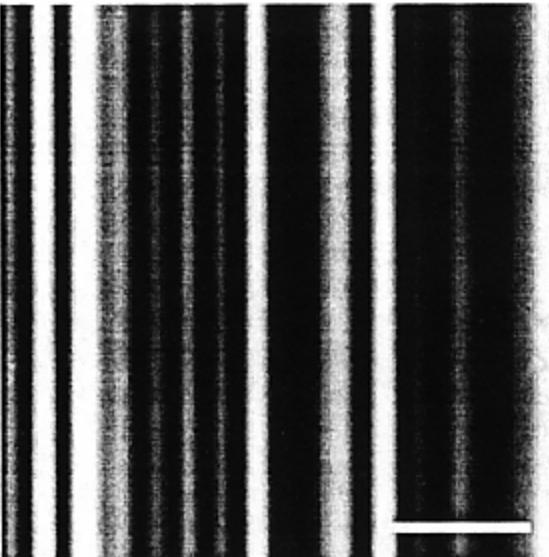
(c)



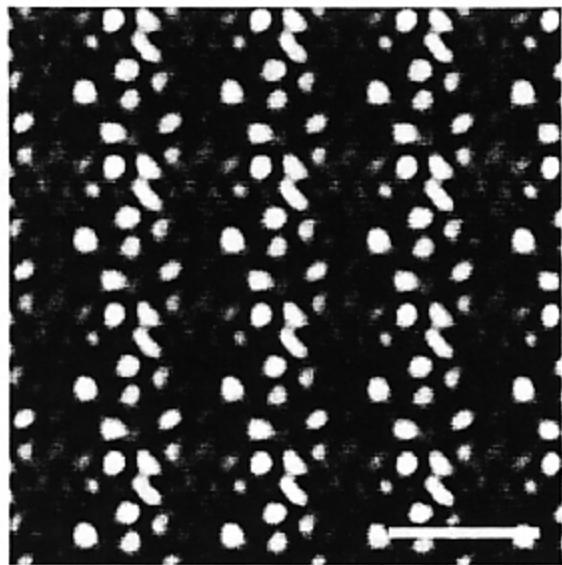




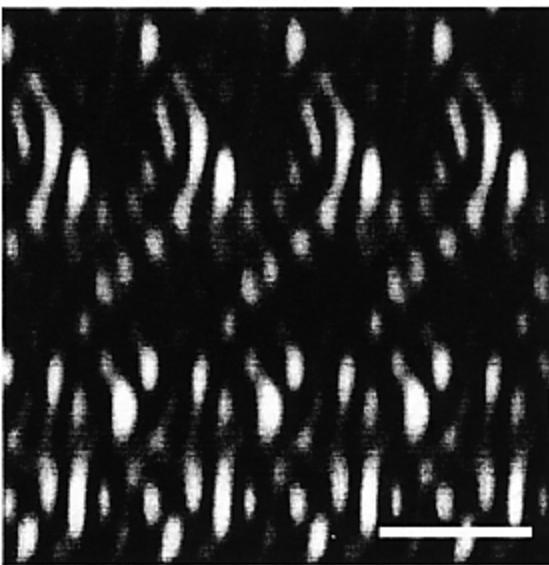
(a)



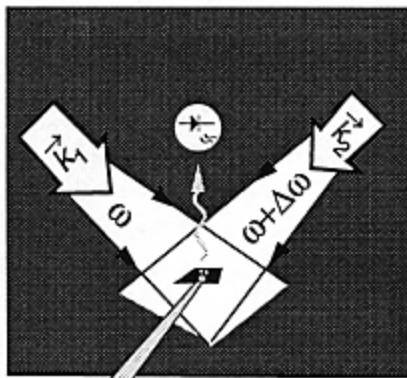
(b)



(c)



(d)



Traveling fringe pattern

Target



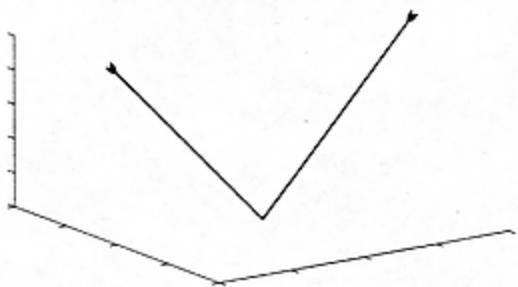
Radiating area

Detector output

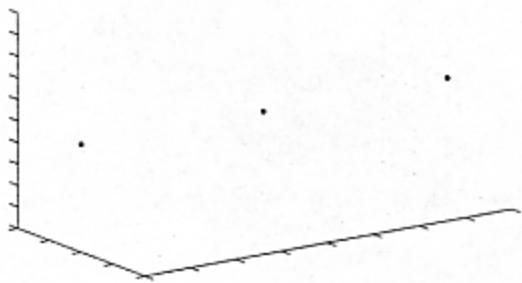
2 4 6 8 10 12 14 16

Time [movie frame number]

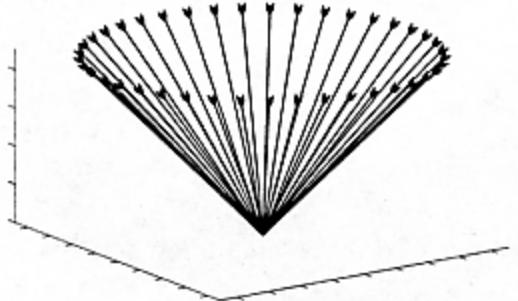
$$\pi/\Delta\omega$$



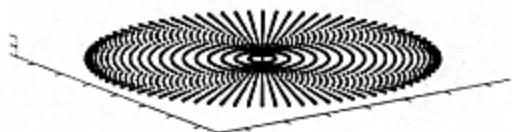
(a)



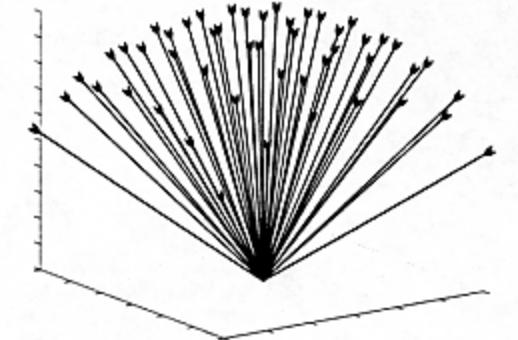
(b)



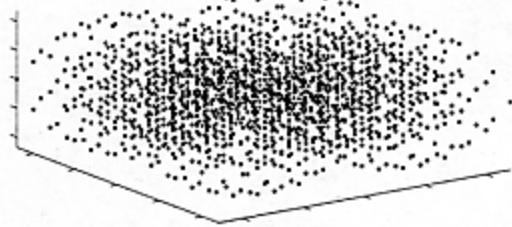
(c)



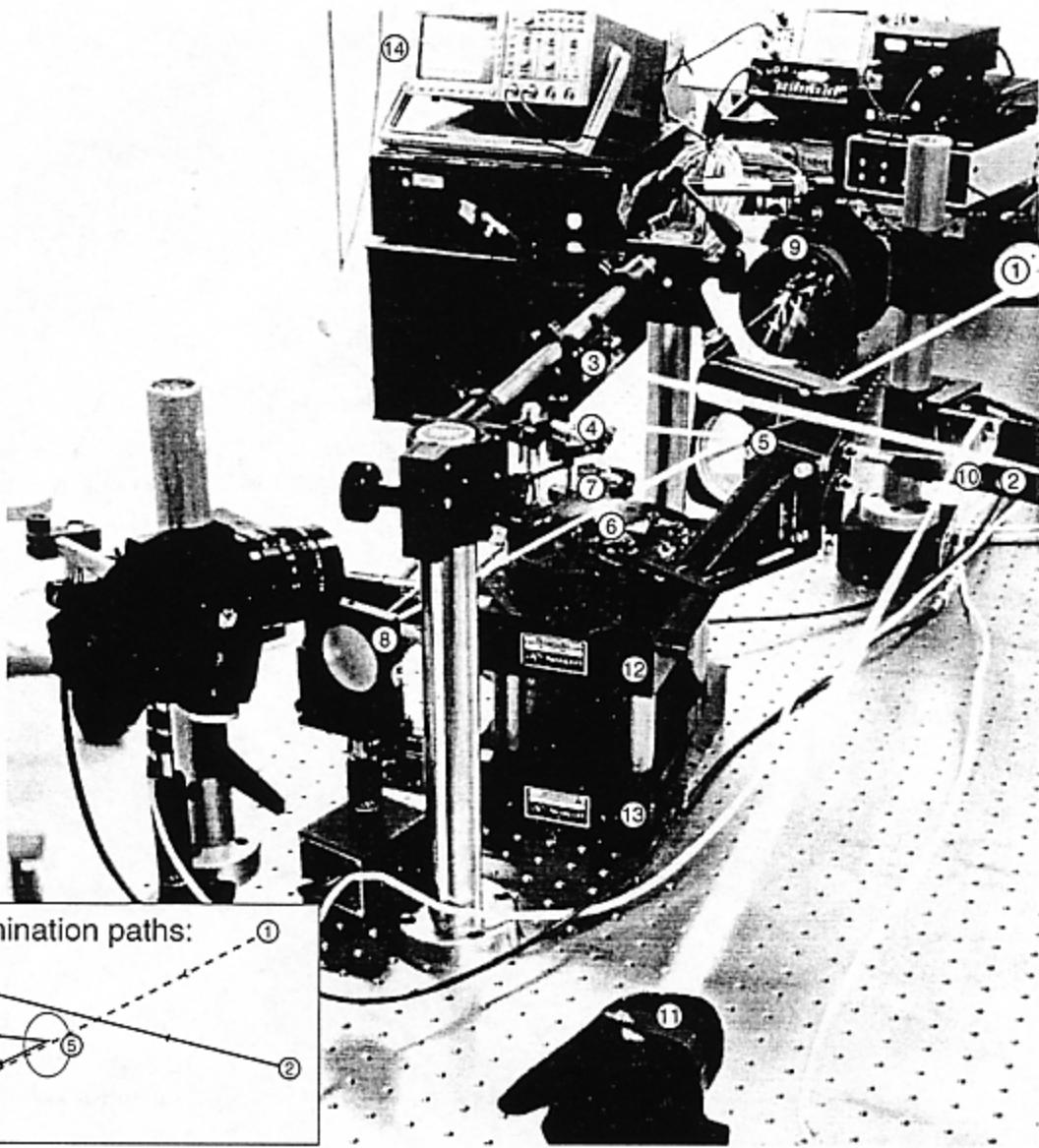
(d)



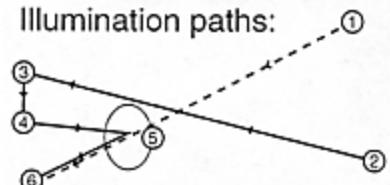
(e)

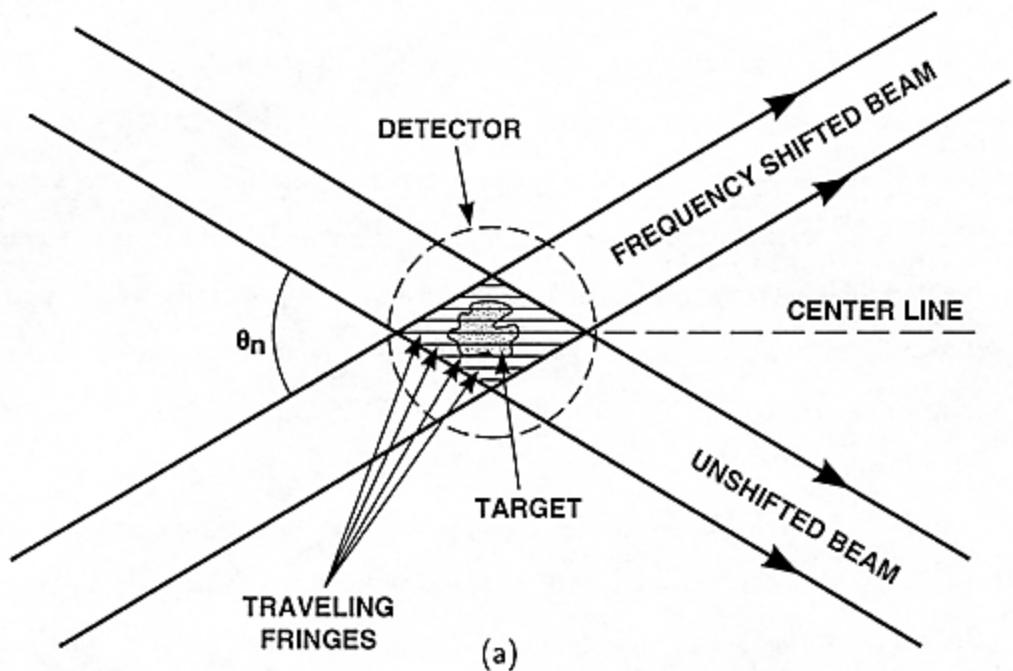


(f)

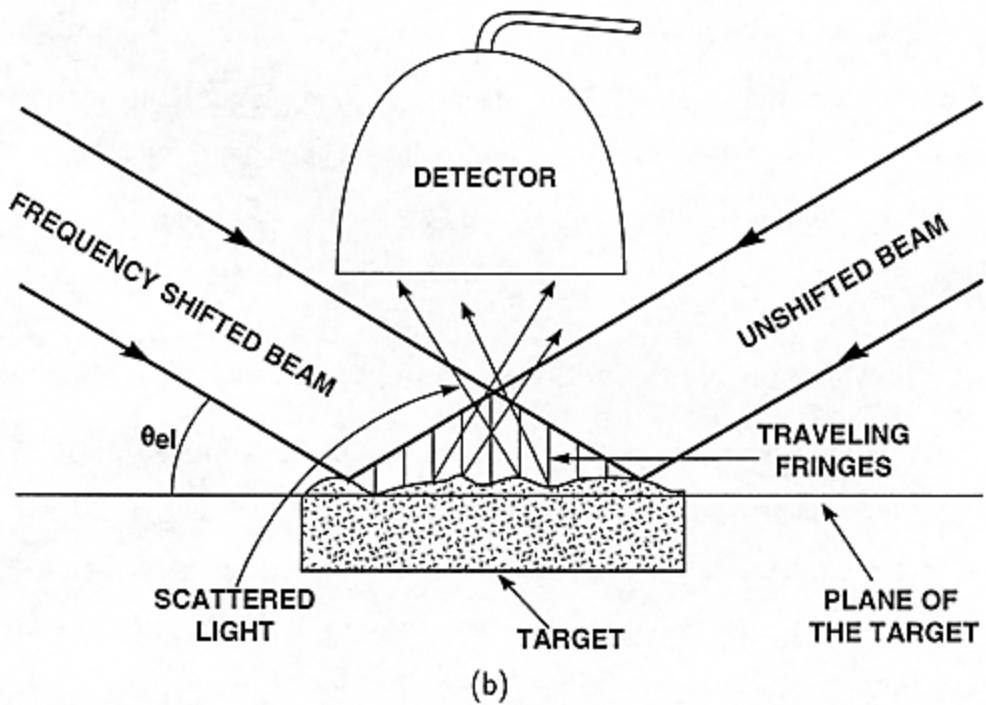


Illumination paths:





(a)



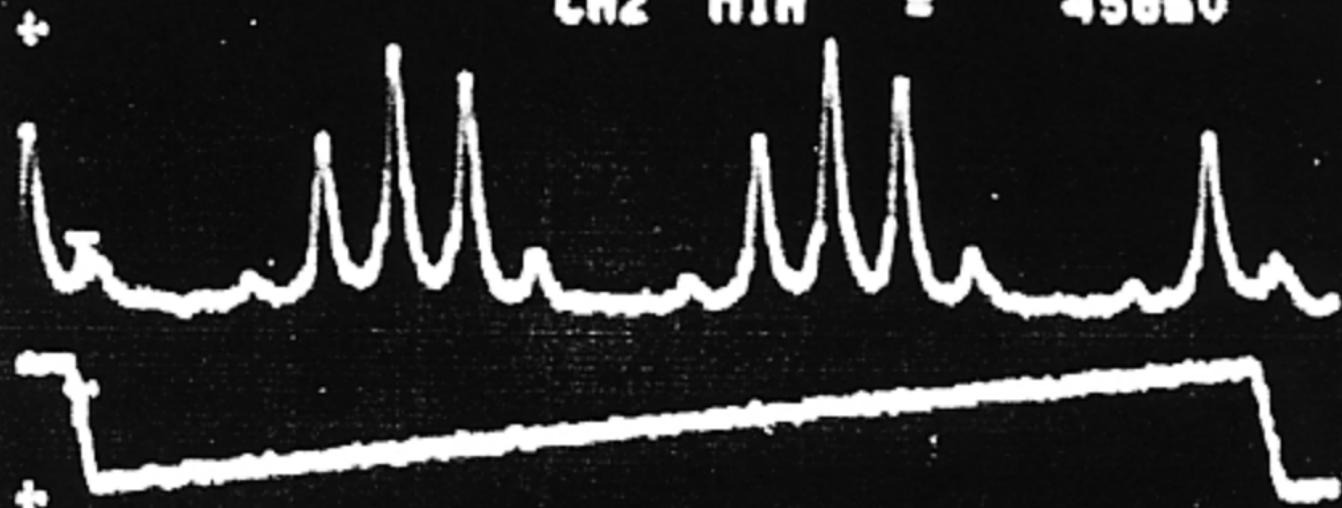
(b)

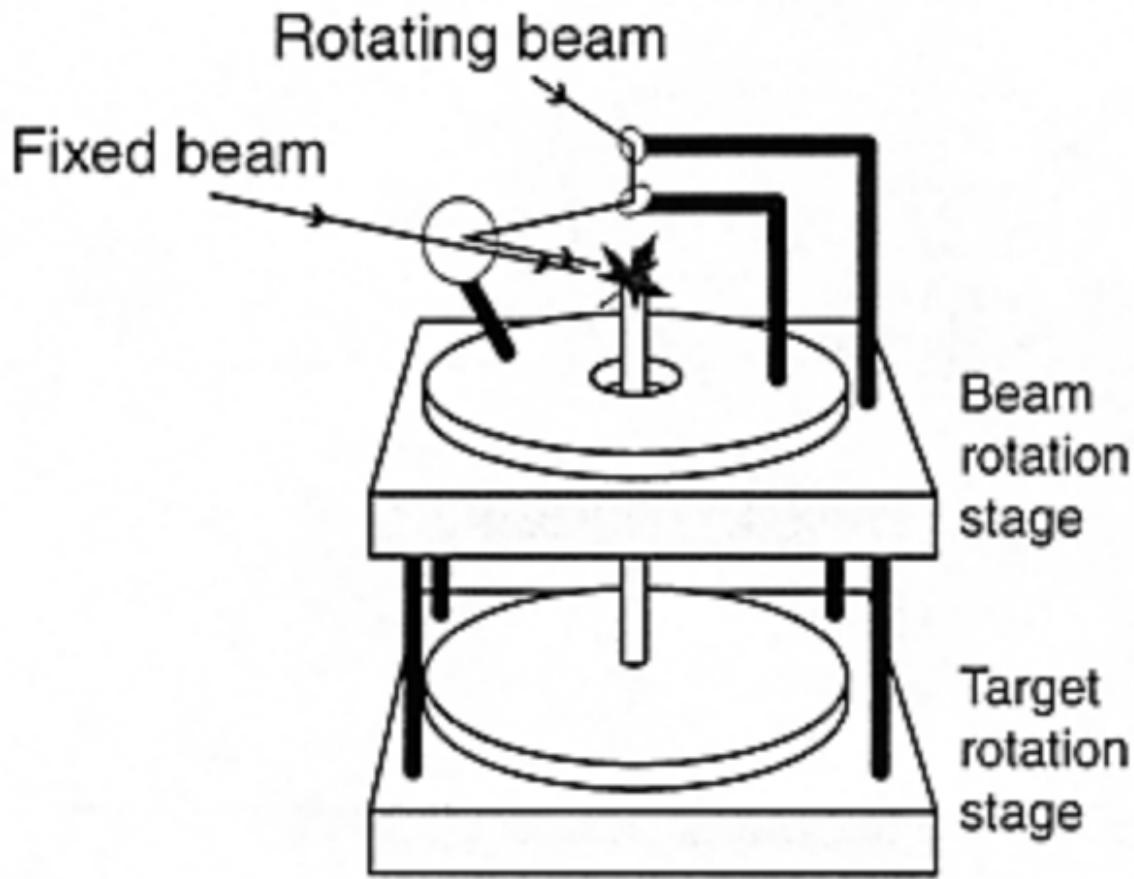
CH1 200mV

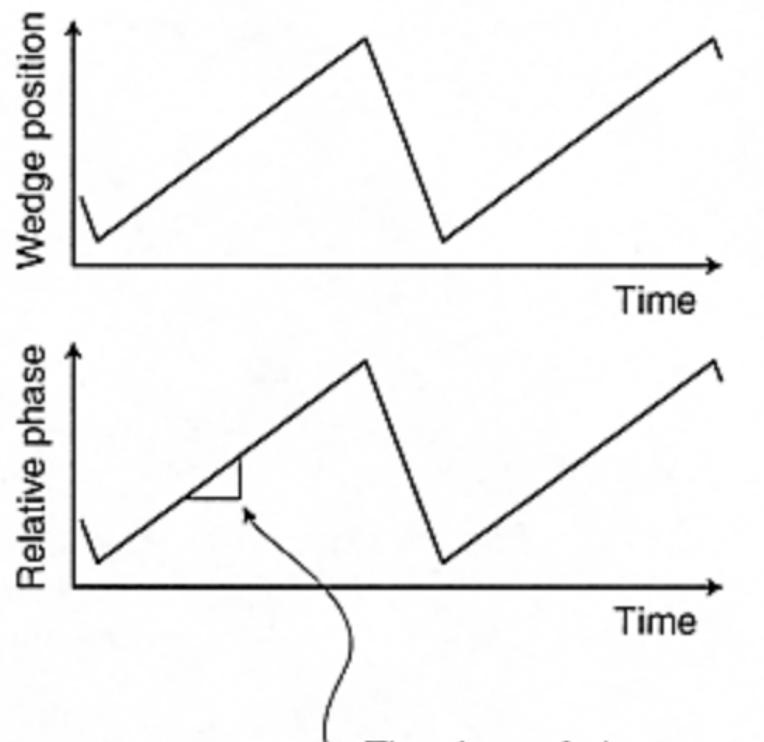
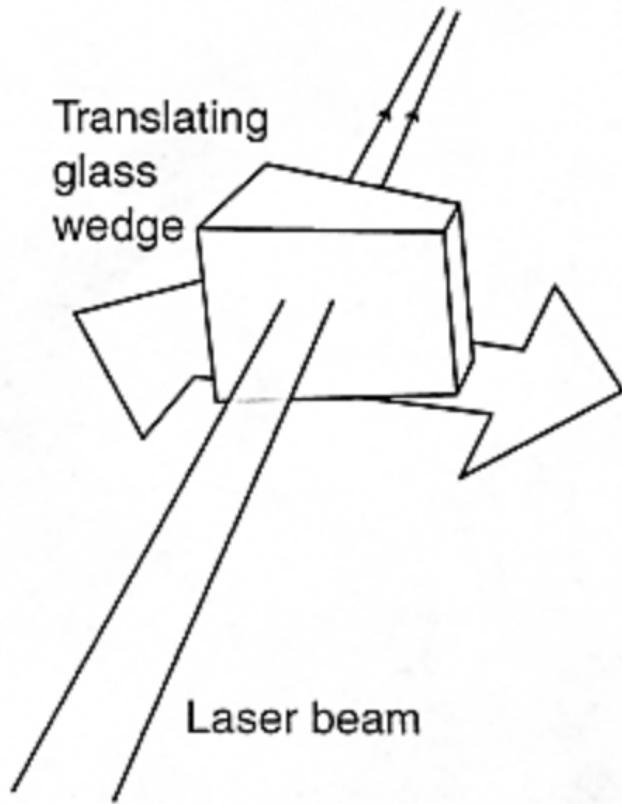
A 20ms 3.07 V CH2

CH2 5V

CH2 FREQ = 5.46 Hz
CH2 MAX = 5.25 V
CH2 MIN = 450mV







The slope of phase
with time is a frequency
shift.

Ch2 → Ch1 Pha
108.4 °

