

### I13MICHANS.      Michelson interferometer, Dependence on $\theta$ .

(Beamsplitter is assumed to be a dielectric plate)

Fringe pattern depending on angle  $\theta$  for two fixed wavelength  $\lambda$  and  $\lambda\lambda$  and fixed displacement  $D$ .

All length in mm.

$$\theta := -.301, -.300 \dots .3 \quad \lambda := .0005 \quad D := .05 \quad \lambda\lambda := .00052$$

$$IM1(\theta, D) := \cos\left(\frac{2 \cdot \pi \cdot D \cdot \cos(\theta)}{\lambda}\right)^2 \quad IM2(\theta, D) := \cos\left(\frac{2 \cdot \pi \cdot D \cdot \cos(\theta)}{\lambda\lambda}\right)^2$$

