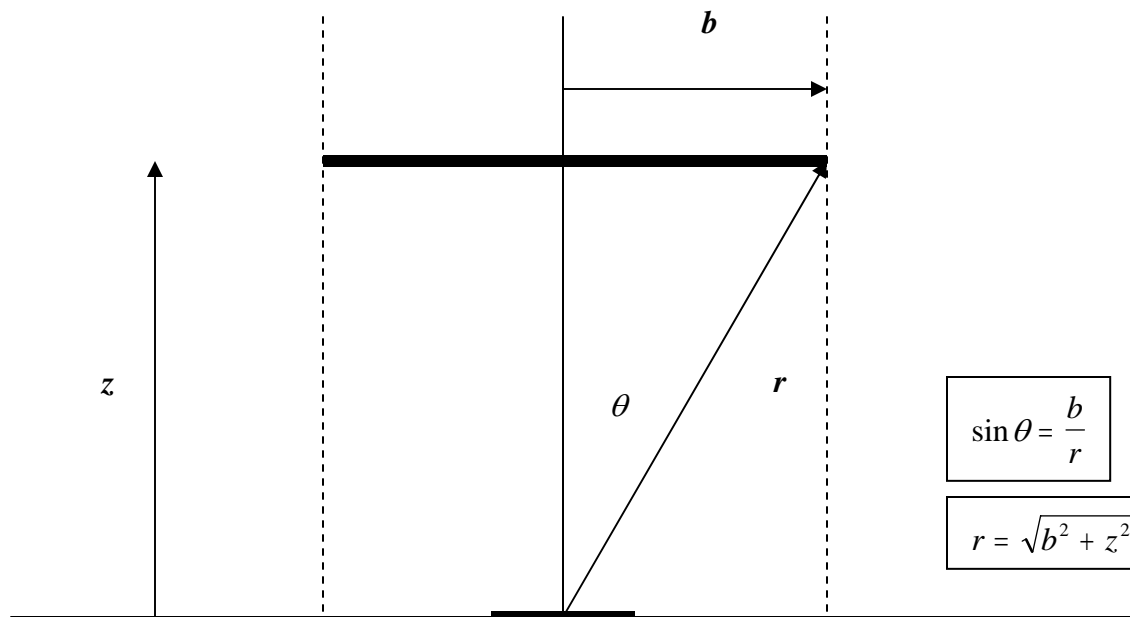


Comments on the geometry of the flux calculation in HW5



$$\sin \theta = \frac{b}{r}$$

$$r = \sqrt{b^2 + z^2}$$

$$d\vec{l} = \hat{r}dr + \hat{\theta}rd\theta + \hat{\phi}r \sin \theta d\phi$$

See slide 22 of lecture 8 for the  $d\vec{l}$  expression above

