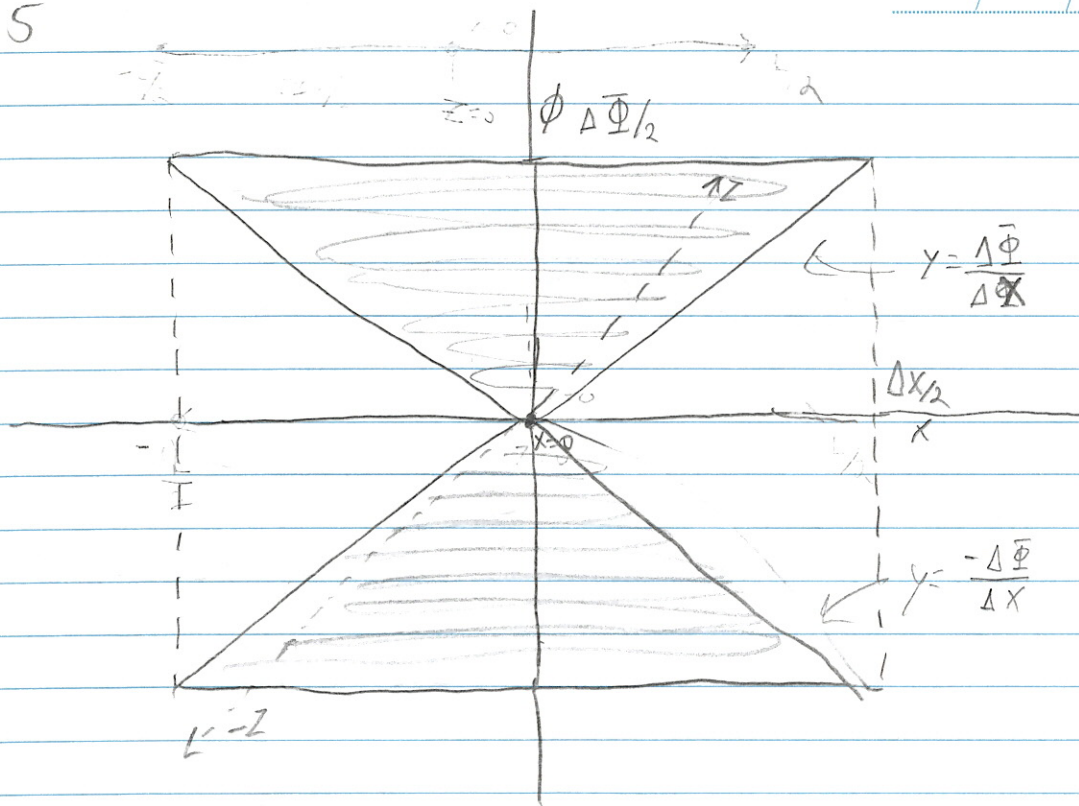
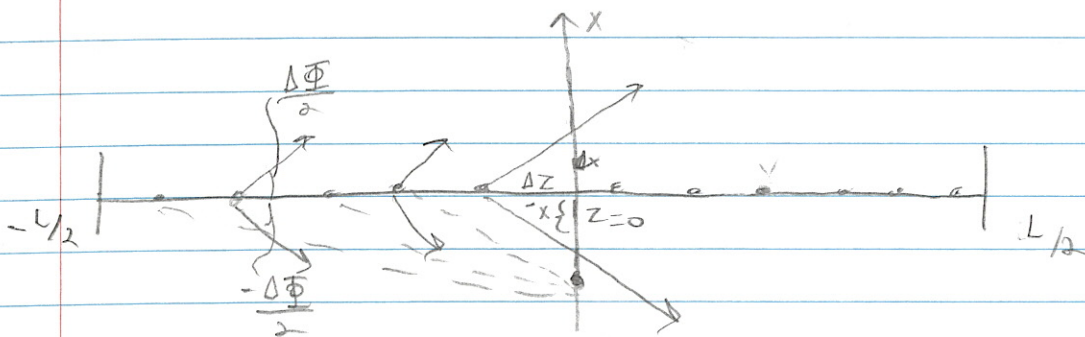


1.5



Each particle $z, X(z), X'(z)$



$$\tan\left(\frac{\Delta\Phi}{2}\right) = \frac{\Delta x}{\Delta z}$$

$$\Delta x = \Delta z \tan\left(\frac{\Delta\Phi}{2}\right) \approx \Delta z \left(\frac{\Delta\Phi}{2}\right)$$