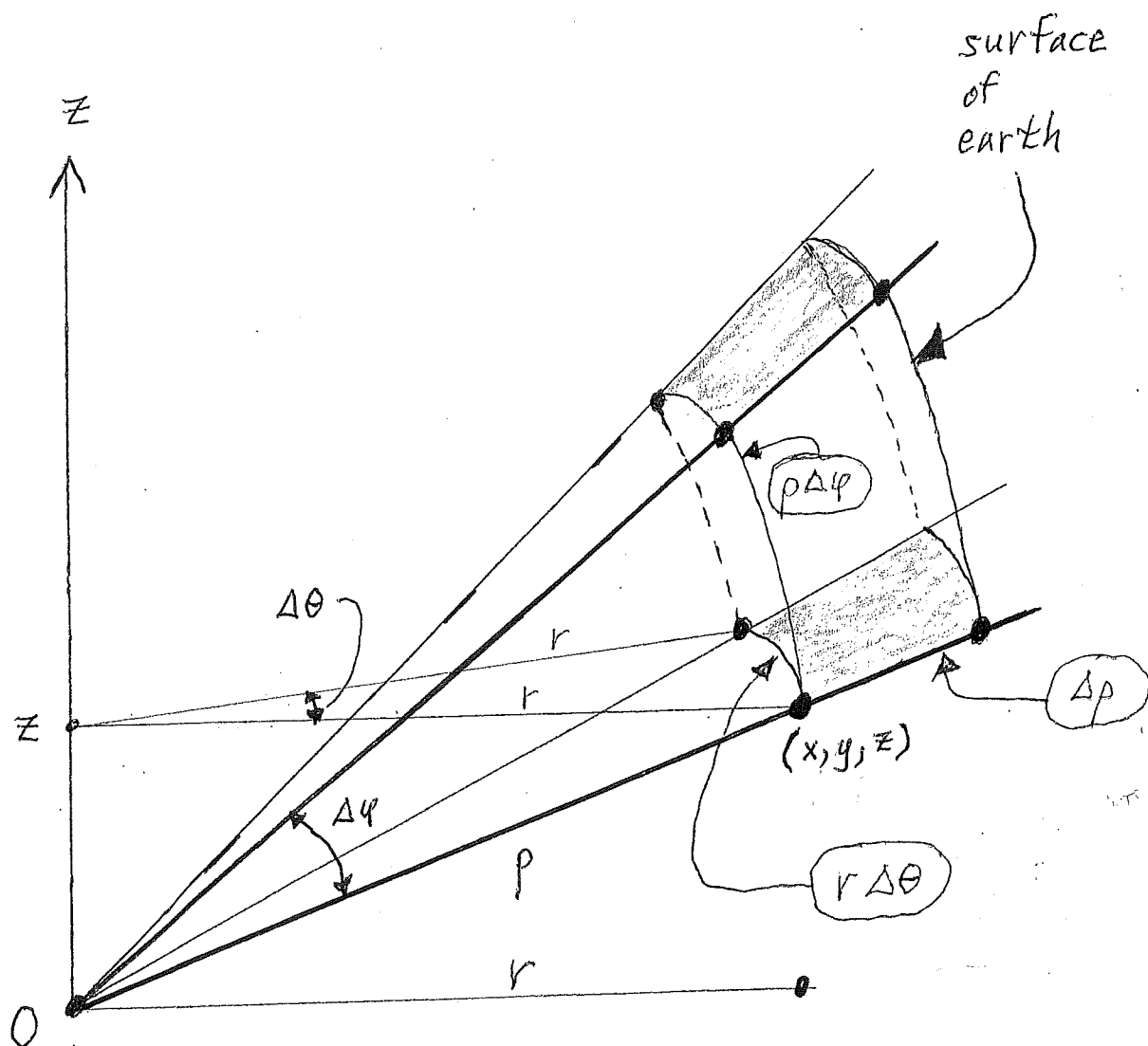


# A chunk of planet earth



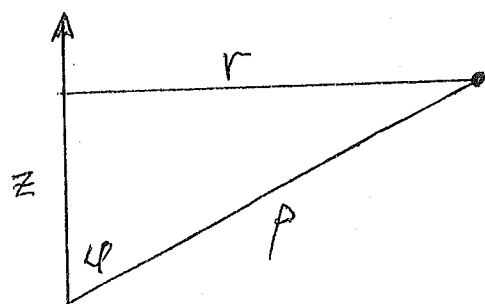
Volume of Box

$$\approx (\Delta \rho)(r \Delta \theta)(\rho \Delta \phi)$$

$$= r \rho \Delta \rho \Delta \theta \Delta \phi$$

$$= \rho^2 \sin \phi \Delta \rho \Delta \theta \Delta \phi$$

~~\_\_\_\_\_~~



$$r = \rho \sin \phi$$

$$z = \rho \cos \phi$$