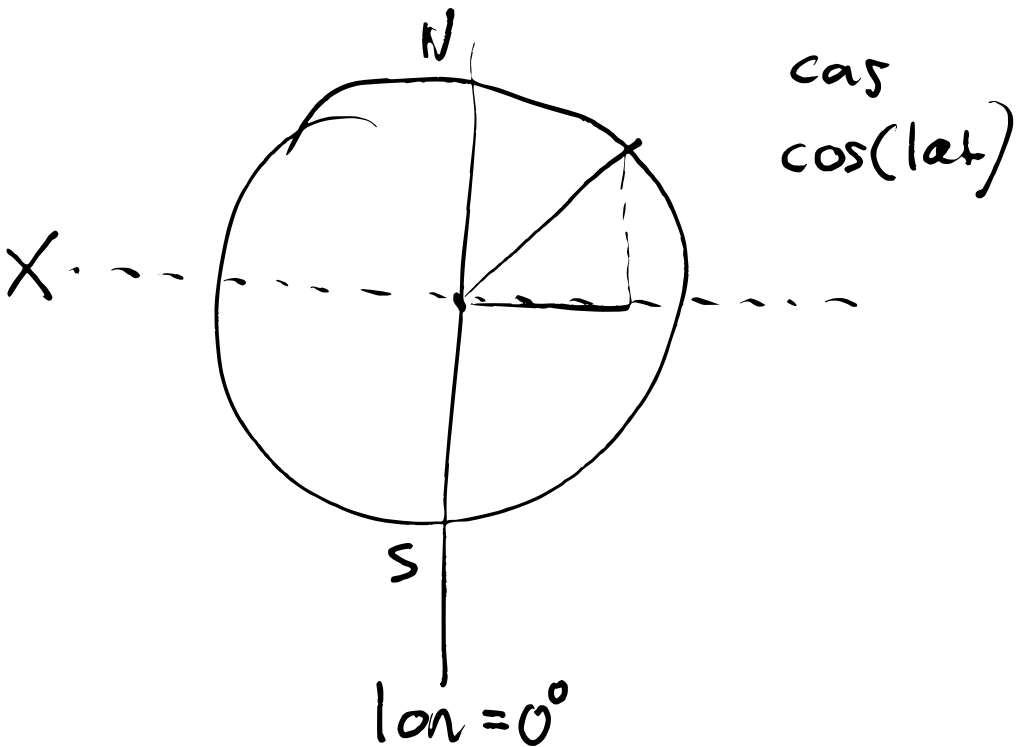
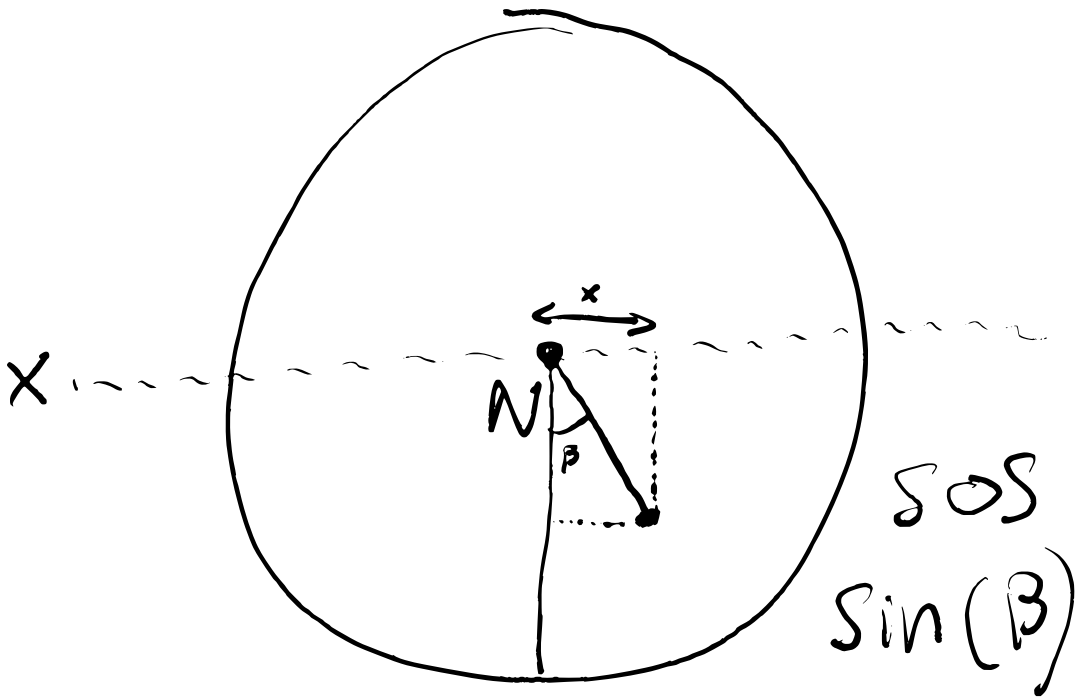


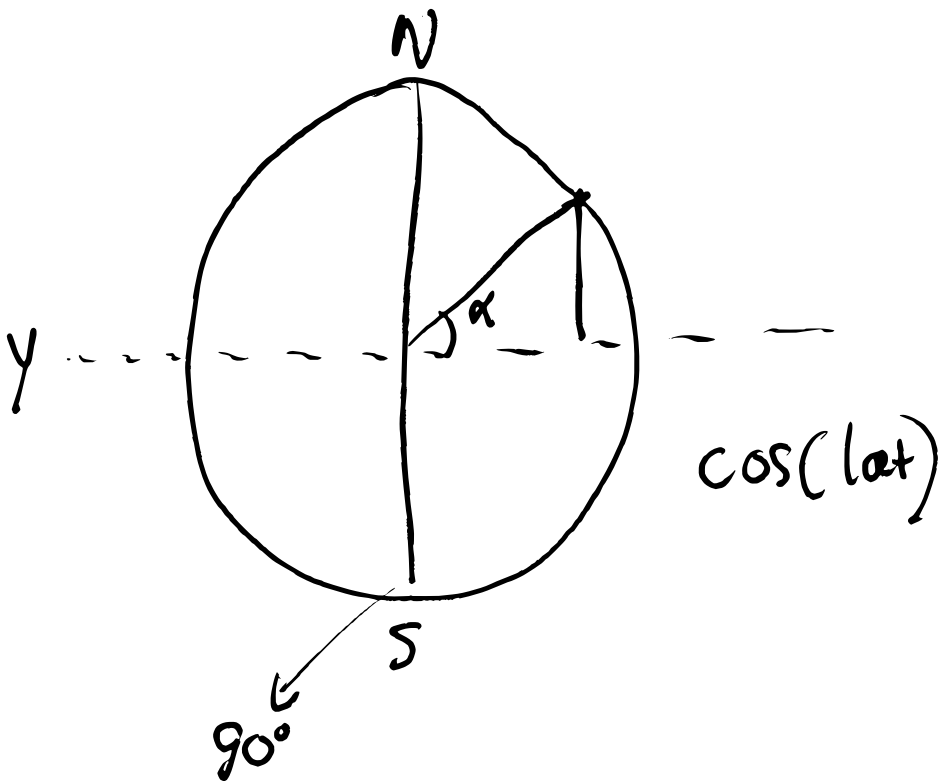
Seen from
longitude 0°



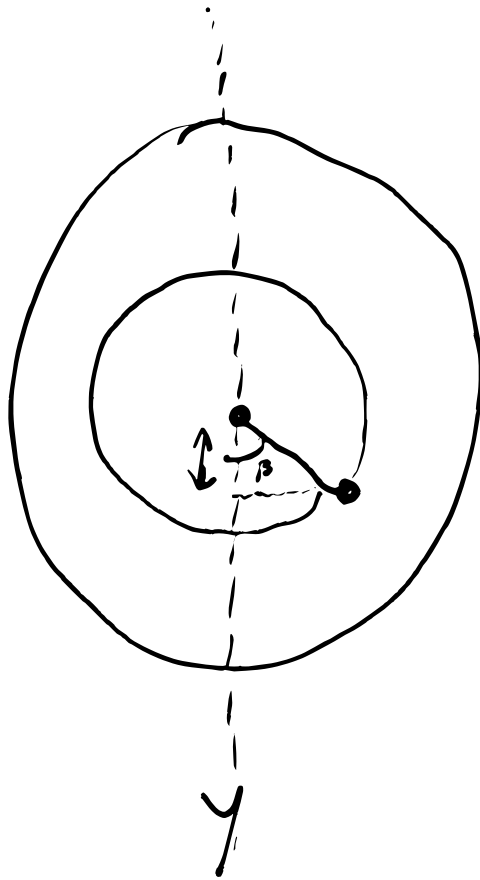
Seen from North



Seen from
 $\text{lon} = 90^\circ$



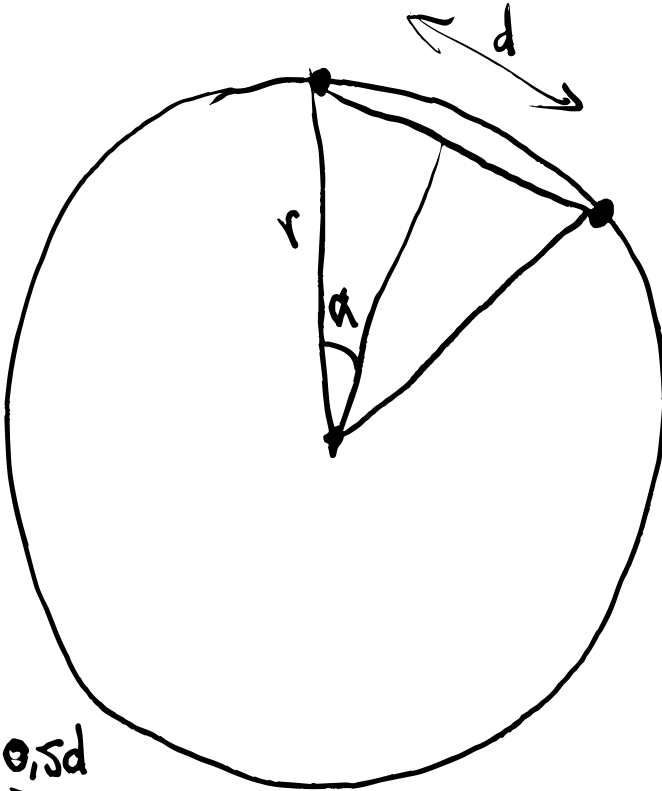
Seen from North



$$\cos \cos(\beta)$$

$$r = 6371$$

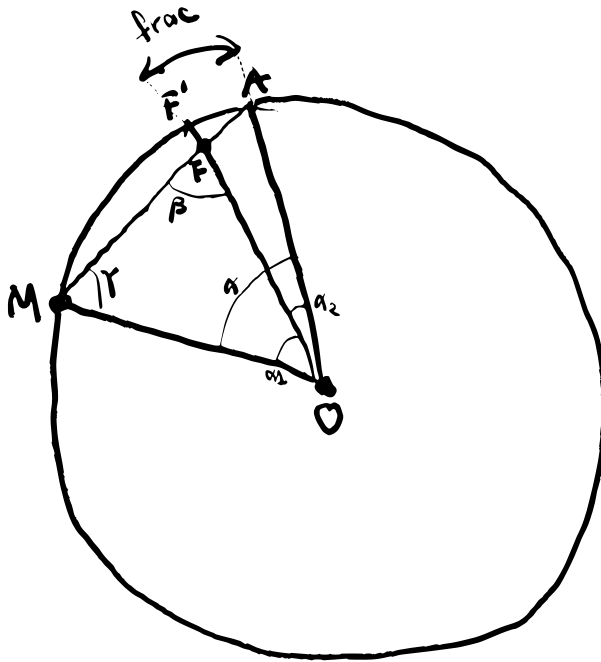
$$\frac{d}{2}$$



$$\sin(\alpha) = \frac{0,5d}{r}$$

$$\sin^{-1}\left(\frac{0,5 \cdot d}{r}\right) = \alpha$$

$$(\alpha \cdot 2) \cdot 2 \cdot \pi r^2 = \text{abstand.}$$



$$\frac{\sin(\beta)}{1} = \frac{\sin(\alpha_1)}{MF}$$

chris

$$\frac{\sin(\alpha_2)}{\sin(\beta)} = MF$$

$$\alpha_1 = \alpha \cdot (1 - \text{frac})$$

$$\gamma = (\pi - \alpha)/2$$

$$\beta = \pi - (\alpha_1 + \gamma)$$