

FORMULAE

$$d = \frac{1}{p}$$

$$m - M = 5 \log(d) - 5$$

$$\alpha = \frac{11.6}{D}$$

$$\frac{LGP_A}{LGB_B} = \frac{D_A^2}{D_B^2}$$

$$\frac{angsize}{206265} = \frac{linsize}{distance}$$

$$time = \frac{1}{M^{2.5}}$$

$$M = \frac{f_o}{f_e}$$

$$\lambda = \frac{3000000}{T}$$

$$E = \sigma T^4$$

$$L = 4\pi R^2 \sigma T^4$$

$$P^2 = a^3$$

$$v = Hd$$

$$z = \frac{\Delta\lambda}{\lambda}$$

$$\frac{v}{c} = \frac{\Delta\lambda}{\lambda}$$

$$\frac{v}{c} = \frac{(z+1)^2 - 1}{(z+1)^2 + 1}$$