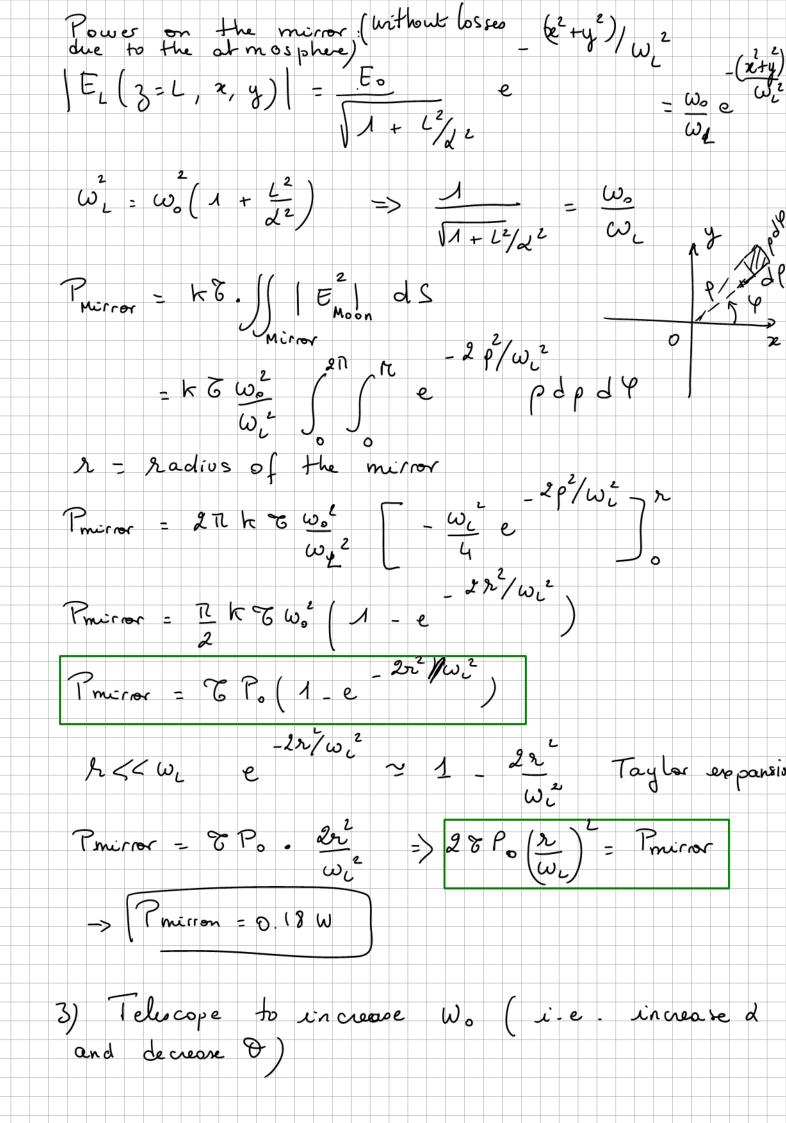
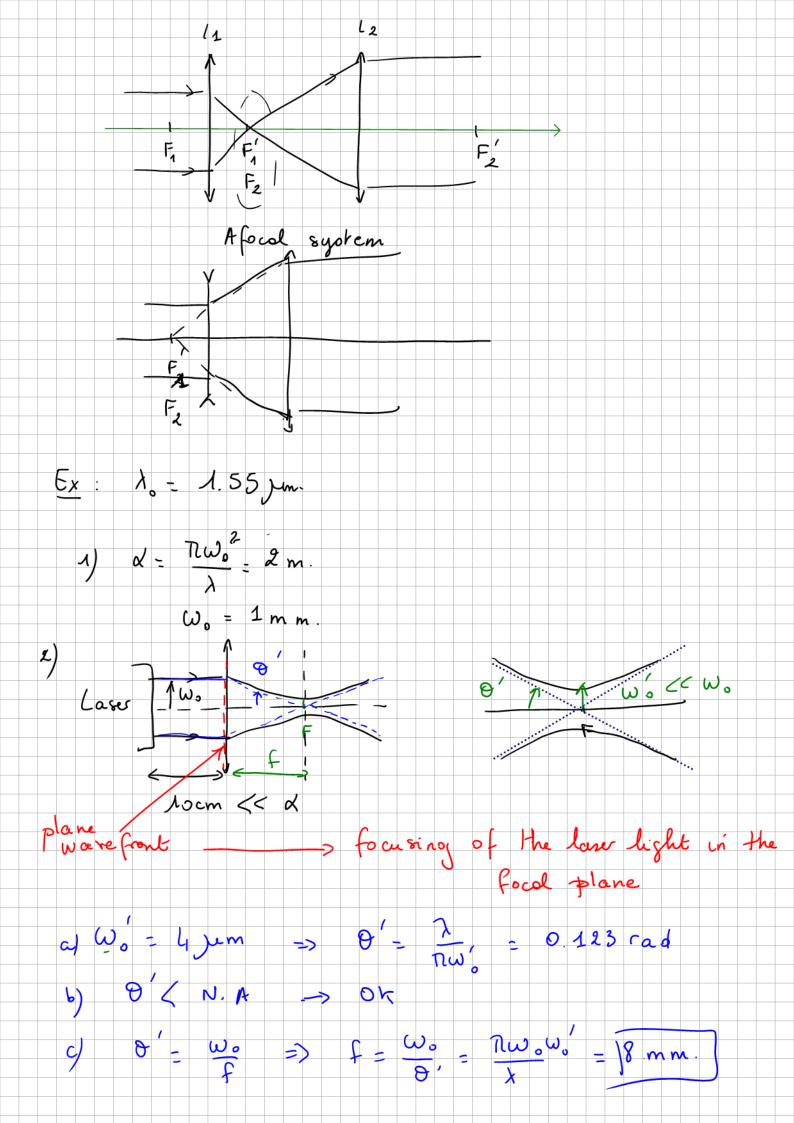
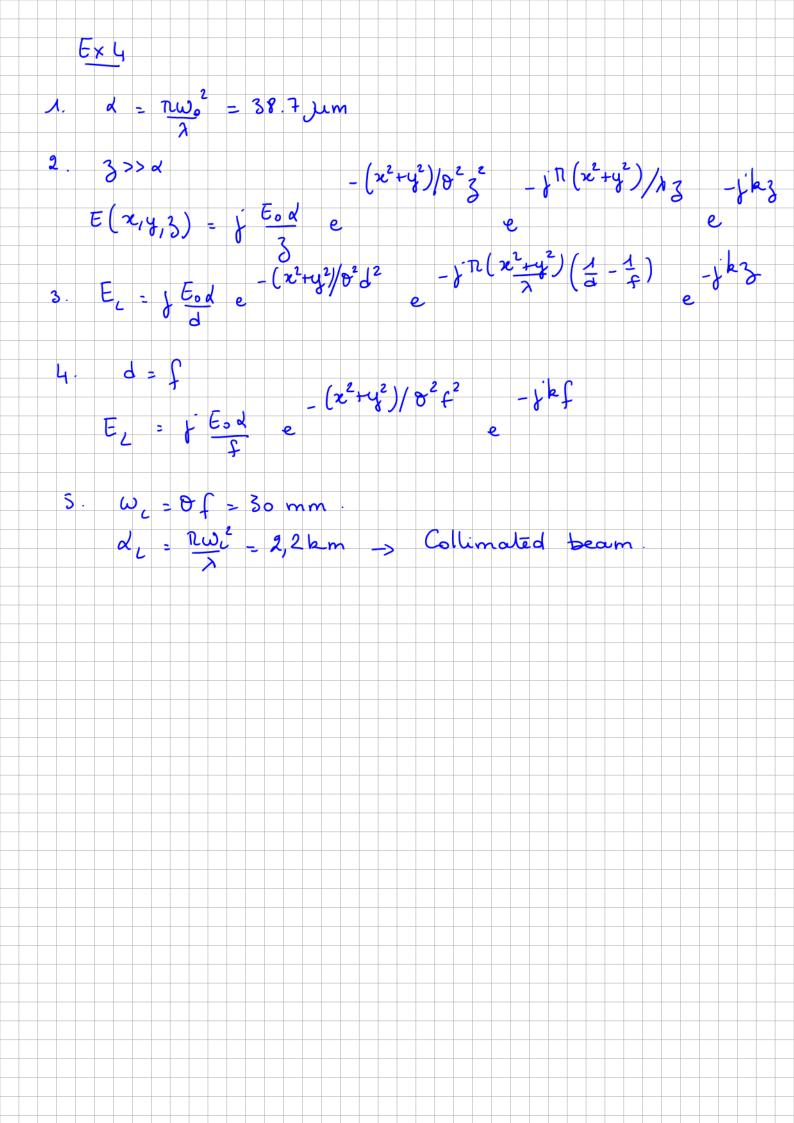


Exd.

1) Far field => $W(L) - \theta \cdot L$ with $\theta = \frac{\lambda}{\pi} W_0$ $\phi(4) = 50 \text{ km}$ 2) $P_0 = K \int \int |E|^2 dS$ $P_0 = \frac{1}{2 \cdot 10^2} g = 0.5 \text{ GW}$ E(3=0,2,y)= E. e Po = π $\left(\frac{+\infty}{2} - 2\left(\frac{n^2 + n^2}{\omega^2}\right)\right)$ d = dy $\frac{-\infty}{2n} + \infty = 2p^2$ $- \pi \int_{0}^{+\infty} e^{-2p^2} \left(\frac{n^2 + n^2}{2}\right)$ $P_{\circ} = \kappa \cdot 2\pi \left[-\frac{W_{\circ}^{2}}{4} e - \frac{2}{3} \rho^{2} / \omega_{\circ}^{2} + \infty \right]$ [Po = 12 k W.2] Whole power on Moon: G.P. = Pmoon







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