

遊建点 F. F. (C,0), F2(-C,0), C=Ja2-b2

汉帝证明: Yi=15 或 tan Y, = tan Yz.

 $tand = \frac{dy}{dx} = -\frac{b^2}{a^2} \cdot \frac{x}{x}$ 

 $tcm\beta_1 = \frac{y}{C+x}$ ,  $tcm\beta_2 = \frac{y}{P-x}$ 

 $tand_1 = tan(x-\alpha) = -tand = \frac{b^2}{a^2} \cdot \frac{x}{y}$ 

 $tem \gamma_{1} = tem(\chi - \chi) = -tem \chi = \frac{1}{\alpha^{2}} \cdot \frac{1}{y}$   $tem \gamma_{1} = tem(\chi + \beta_{1}) = \frac{tem \chi_{1} + tem \chi_{1}}{1 - tem \chi_{1} \cdot tem \chi_{1}} = \frac{b^{2} \cdot \chi}{1 - \frac{b^{2}}{\alpha^{2}} \cdot \chi} \cdot \frac{\chi}{c + \chi}$ 

 $= \frac{a^{2}b^{2} + b^{2}C\chi}{y(a^{2}C + a^{2}\chi - b^{2}\chi)} = \frac{b^{2}(a^{2} + C\chi)}{y[a^{2}C + C^{2}\chi]} = \frac{b^{2} \cdot (a^{2} + C\chi)}{cy} = \frac{b^{2} \cdot (a^{2} + C\chi)}{cy}$ 

 $tom \gamma_{2} = tom(\beta_{2} - \alpha_{1}) = \frac{tom\beta_{2} - tom\alpha_{1}}{1 + tom\beta_{2} \cdot tom\alpha_{1}}$   $= \frac{\frac{y}{C-\chi} - \frac{b^{2}}{a^{2}} \cdot \frac{\chi}{y}}{1 + \frac{y}{C-\chi} \cdot \frac{b^{2}}{a^{2}} \cdot \frac{\chi}{y}} = \frac{\frac{a^{2}y^{2} - b^{2}\chi(c-\chi)}{a^{2}y(c-\chi)}}{\frac{a^{2}y(c-\chi)}{a^{2}(c-\chi) + b^{2}\chi}} = \frac{a^{2}y^{2} + b^{2}\chi^{2} - b^{2}c\chi}{y(a^{2}c - a^{2}\chi + b^{2}\chi)} = \frac{a^{2}b^{2} - b^{2}c\chi}{y(a^{2}c - c^{2}\chi)} = \frac{b^{2}}{y(a^{2}c - c^{2}\chi + b^{2}\chi)}$ 

 $2p \tan \gamma_1 = \tan \gamma_2 = \frac{b^2}{cx}$ 

山市 八二亿,入制的一反射的.

入射线径过F1,发射线过F2。F1,F2为其点。

b2x((+x)+a3y