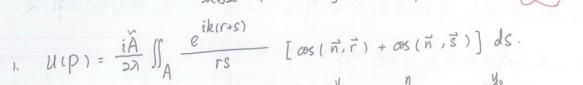
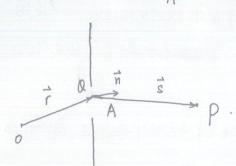
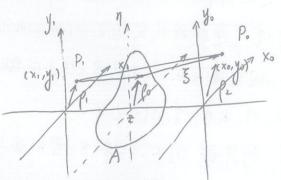
实验二十 光衍射的延量研究







取坚间 直角坐标系:

 $U(p) = \frac{i\tilde{A}}{m\lambda} \iint_{A} d\xi d\eta = \exp(ik \left[\int (x_{1} - \xi)^{2} + (y_{1} - \eta)^{2} + \xi_{1}^{2} + \int (x_{2} - \xi)^{2} + (y_{2} - \eta)^{2} + \xi_{2}^{2} \right]).$ 1 (x1-3) + (y1-1)+22 / (x2-3) + 1/2-1/2+22

$$\Delta f_1 = f_1 - f_0. \qquad \Delta f_2 = f_2 - f_0.$$

$$\int_{0}^{\infty} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} = 1 - \frac{1}{2} \frac{(x_1 - \overline{5})^2 + (y_1 - y_1)^2}{2^2_1^2} \approx 1 \frac{\Delta \beta_1}{2^2_1} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 \frac{\Delta \beta_2}{2^2_2} = 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 - \frac{1}{2} \frac{(x_2 - \overline{5})^2 + (y_2 - y_1)^2}{2^2_2} \approx 1 - \frac{1}{2}$$

注意到 」(x1-3)2+14-12+22 = 云(1+2 (x1-3)2+41-4)2) ※ 云1 \ \(\(\times_{2} - \frac{1}{5} \)^{2} + \left| \(\frac{1}{2} - \frac{1}{7} \)^{2} + \(\frac{1}{2} - \frac{1}{7} \)^{2} + \(\frac{1}{2} - \frac{1}{7} \)^{2} \) \(\times \frac{1}{2} \). 为使川间的有利至。要求 完全《一是公》(倍纳条件), (3) $j \not\models : U(p) = \frac{i \overleftrightarrow{A}}{\lambda} \iint_{A} \frac{1}{z_1 \overline{z_2}} \exp\left[i k(z_1 + \frac{1}{z_2} \frac{(x_1 - \overline{z})^2 + (y_1 - y_1)^2}{z_1})\right]$ exp[ik(22+ 2 (x2-3)2+1/2-7)2)] dsdy

31浪上: 宴求: 远场家体、 云》》 22.