```
countsnear2 = Import["20141122_single_slit_near2.csv"];
      countsnear2;
     ListPlot[countsnear2, AxesLabel → {Distance (mm), Counts}];
 ln[5]:= \theta = (x - x0) / R;
     \alpha = \pi * a * Sin[\theta] / \lambda;
     \beta = \pi * d * Sin[\theta] / \lambda;
     i_2 = \frac{i0}{4} * (\operatorname{Sinc}[\alpha])^2;
     x0 = 6.6;
     a = 0.085;
     d = 0.343;
     R = 500;
     \lambda = .000546;
In[14]:= fitnear2 = NonlinearModelFit[countsnear2, i2, {i0}, x];
     Normal[fitnear2];
log_{[16]} = plotnear2 = plot \left[ 57.037926753383644 \cdot sinc \left[ 489.0757794050044 \cdot sin \left[ \frac{1}{500} \left( -6.6 \cdot + x \right) \right] \right]^2
          \{x, 0, 10\}, PlotStyle \rightarrow \text{Red};
      Show[ListPlot[countsnear2], plotnear2, AxesLabel → {Distance [mm], Counts}]
      70
      60
      50
Out[17]=
      30
      20
```