





%% 处理绘图 subplot(2,2,1); hold on [p,S] = polyfit(1:10,X1,1); [yfit,delta]=polyval(p,1:10,S); plot(times,yfit,g-',LineWidth',1.2); plot(times,yfit,g-','LineWidth',1.2); plot(times,Yfit-2*delta,'m--',times,yfit-2*delta,'m--'); plot(times,X1,'b.'); legend("银合数据","95%误差限","","测量数据",'Location','northwest'); ylabel('接受一发射源间距离/m','Interpreter','none'); xlabel('疾受炎为數,'Interpreter','none'); title("共振干涉法最大振幅位置时距离"); v=abs(p(1)*f0*2); lamda=abs(p(1)*2e6); str={strcat("波长\lambda=",num2str(lamda),"nm"),strcat("波速v=",num2str(v),"m/s")}; text(5,min(X1)+0.005,str); hold off