# 附件2.6

笔者尝试使用matlab自带的插值函数interp1对实验数据进行插值处理，经观察线形插值法与最近点插值法比较符合预期，但距离完美的伏安特性曲线图仍有一定的距离。



附图2.4

x1=-7:0.001:1;

x1=x1';

[UdRealityUnique, idx] = unique(UdReality);

IdRealityUnique = IdReality(idx);

y1 = interp1(UdRealityUnique, IdRealityUnique, x1,"linear");

plot(x1, y1,'r');

hold on;

y1 = interp1(UdRealityUnique, IdRealityUnique, x1,"nearest");

plot(x1, y1,'b');

hold off;

legend('linear','nearest');

xlabel("Ud(V)");

ylabel("Id(mA)");

title("两种插值方式对比");