**附录2.5 MATLAB环境下基于实测和仿真数据生成的稳压二极管的伏安特性曲线对照**

附图2.3 基于实测和仿真数据生成的稳压二极管1N4735伏安特性曲线对照

UdReality=xlsread("EXP02\_04\_2307\_20232241110.xlsx","C2:C47");

IdReality=xlsread("EXP02\_04\_2307\_20232241110.xlsx","D2:D47");

UdEmulate=xlsread("EXP02\_04\_2307\_20232241110.xlsx","J2:J47");

IdEmulate=xlsread("EXP02\_04\_2307\_20232241110.xlsx","K2:K47");

plot(UdEmulate, IdEmulate,'.-', 'LineWidth', 1, 'Color', 'red' );

hold on;

plot(UdReality, IdReality,'.-', 'LineWidth', 1, 'Color', 'blue');

hold off;

legend('Emulate','Reality');

xlabel("Ud(V)");

ylabel("Id(mA)");

title("稳压二极管1N4735伏安特性曲线仿真与实际对比");