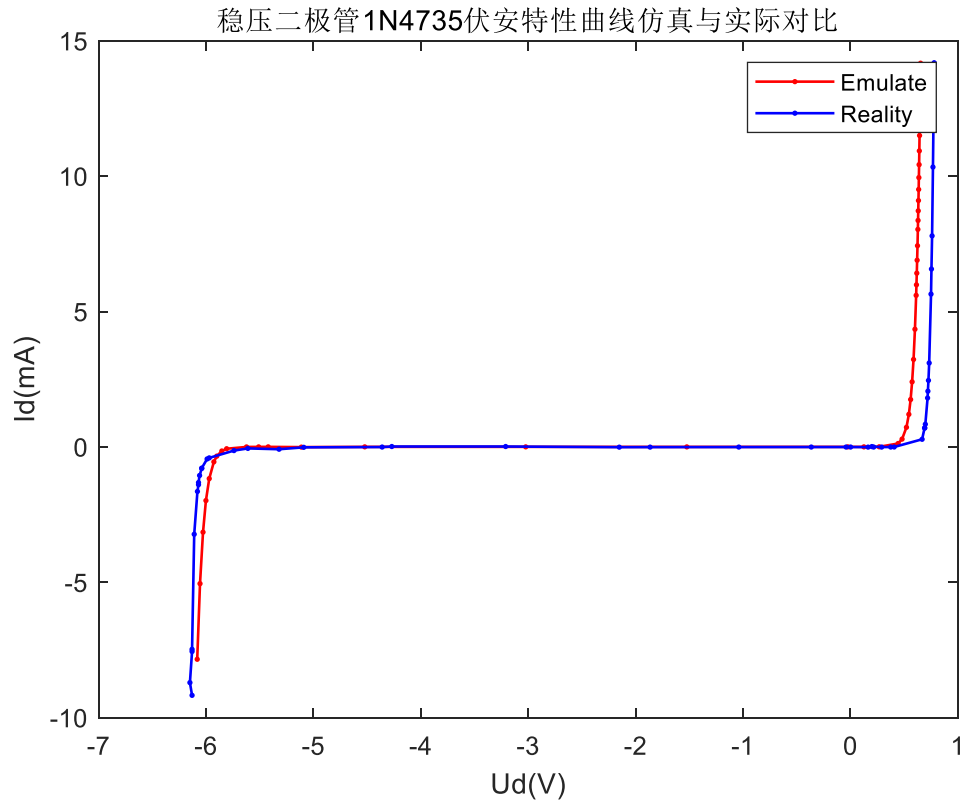


附录 2.5 MATLAB 环境下基于实测和仿真数据生成的稳压二极管的

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");
```