## 附录 3.2 静态工作点的仿真求解

如图 Figure 1 所示,当 $i_c$ 为 2.5000mA 时, $U_c$ =9.001V、 $U_E$ =2.700V、 $U_B$ =3.411V、 $U_{CE}$ =6.231V,此时 RB2=67.18K  $\Omega$ 

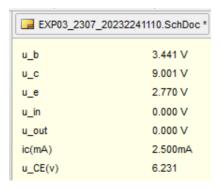
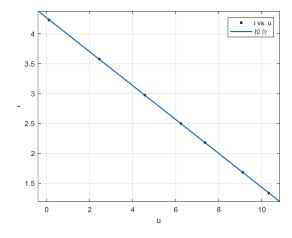


Figure 1

仿真得到下面 7 组数据,导入 matlab 进行最小二乘法拟合曲线,得到图 Figure 2,拟合性能 如图 Figure 3 所示

Table 1

Rw	ic (mA)	u_CE(V)
0.1000	1.3350	10.3200
0.3000	1.6820	9.1090
0.5000	2.1810	7.3540
0.5930	2.5000	6.2310
0.7000	2.9760	4.5610
0.8000	3.5790	2.4450
0.9000	4.2360	0.1060



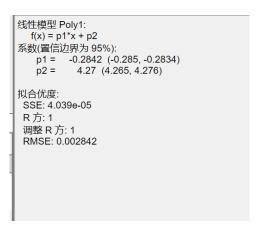


Figure 2 Figure 3