**【例9-31】** 利用U=[U,L]=schur(A)计算A=[1,4,2;5,6,9;4,1,8]的schur分解，具体代码如下：

A=[1,4,2;5,6,9;4,1,8];

[U,L]=schur(A)

U =

0.3494 0.8929 0.2838

0.8242 -0.1489 -0.5464

0.4456 -0.4248 0.7880

L =

12.9859 -0.3899 7.2707

0 -0.4658 -3.9981

0 0 2.4799