【例9-27】将矩阵A=正交化。

A=[4 0 0;0 3 1;0 1 3];

P=orth(A)

P =

0 1 0

-985/1393 0 -985/1393

-985/1393 0 985/1393

format short

P

P =

0 1.0000 0

-0.7071 0 -0.7071

-0.7071 0 0.7071

Q=P'\*P

Q =

1.0000 0 0.0000

0 1.0000 0

0.0000 0 1.0000