此为sys1.m输出文件（第一题）

Gauss elemination method

ans =1.3476e-16

历时 0.001248 秒。

Gauss chosen elemination method

ans =1.3476e-16

历时 0.002654 秒。

Cholesky method

ans =1.7114e-16

历时 0.002817 秒。

ans为相对误差

此为sys.m输出数据

Gauss elemination method

ans =

467.7762

d1 =

1.0000

0.9998

1.0095

0.8234

2.7167

-8.5969

32.6272

-56.8770

40.7007

48.6039

-118.2338

106.6963

-74.5170

42.1086

15.4826

15.6782

-28.4538

-78.6420

99.0434

-61.0471

93.3810

-61.9504

-9.0440

91.1563

-65.0043

43.8346

-175.1833

38.7058

153.4832

-0.6949

-65.6605

51.3813

33.1039

-194.9589

75.1504

100.3951

-73.5576

60.1729

-52.6182

16.7850

历时 0.001614 秒。

Gauss chosen elemination method

ans =

467.7762

d2 =

1.0000

0.9998

1.0095

0.8234

2.7167

-8.5969

32.6272

-56.8770

40.7007

48.6039

-118.2338

106.6963

-74.5170

42.1086

15.4826

15.6782

-28.4538

-78.6420

99.0434

-61.0471

93.3810

-61.9504

-9.0440

91.1563

-65.0043

43.8346

-175.1833

38.7058

153.4832

-0.6949

-65.6605

51.3813

33.1039

-194.9589

75.1504

100.3951

-73.5576

60.1729

-52.6182

16.7850

历时 0.001165 秒。

Cholesky method

ans =

402.0410

d3 =

1.0000

1.0000

0.9990

1.0099

0.9921

0.4651

5.1430

-12.5841

18.2483

16.9454

-73.7042

64.3670

33.8124

-44.1730

-59.4734

80.4294

-13.0082

46.0837

-97.1948

57.3105

-17.5033

9.5026

37.7708

-16.1508

-87.1374

111.7058

-67.6778

34.3781

46.3481

-66.4081

-46.9388

157.9086

-71.2664

-145.4691

161.8569

32.1948

-76.7807

-15.5372

42.2670

-10.7312

历时 0.016779 秒。