```
1 using System;
  2 using Matrix_0;
  3 // Ray W. Clough & Joseph Penzien "Dynamics of Structures" P202-203
  4
   5 namespace ConsoleApp38
   6
  7
                    internal class Program
  8
  9
                               static void Main(string[] args)
10
11
12 // 初始值InitVal(速度, 變位)。
13 double[,] InitVa1 = { \{0\}, \{9\}, \{0\}, \{0.5\}, \{0.4\}, \{0.3\} };
14
15 // 建構系統矩陣A。
16 double[,] M = \{ \{ 1, 0, 0 \}, \{ 0, 1.5, 0 \}, \{ 0, 0, 2 \} \};
17 double[,] K = \{ \{600, -600, 0\}, \{-600, 1800, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -1200\}, \{0, -1200, -
               3000} };
18 ReMatrix C = (new Zero(3)). GetMatrix;
19 MKCMatrix mkc = new MKCMatrix(M, K, C);
20 ReMatrix A = mkc. Matrix;
21
22 // 系統特徵值和特徵向量V, Q。
23 EIG eig = new EIG(A);
24 CxMatrix D = eig. CxMatrixD;
25 CxMatrix V = eig. CxVector;
26 CxMatrix Q = eig. CxMatrixQ;
27
28 // 系統係數向量d
29 CxToHexp Hexp = new CxToHexp(D, Q, 0);
30 CxMatrix MatTemp = Hexp. GetCxMatrix;
31 CxMatrix d = ~MatTemp * InitVal;
32
33 // 列印系統與狀態參數V, Q, d。
34 Console. Write ("\n****{0,5} 系 {0,5} 統 {0,5} 與 {0,5} 狀 {0,5} 態 {0,5} 參 {0,5} マ
               數 {0,5}***\n", "");
35
36 Console. Write ("\n***{0,5} 系統特徵值V{0,5}***\n{1}\n", "", new PR
               (V));
37 Console. Write ("\n***{0,5} 系統特徵向量Q{0,5}***\n{1}\n", "", new PR →
               (Q));
38 Console. Write ("\n***{0,5}係數向量d{0,5}***\n{1}\n", "", new PR(d));
39
40 // 狀態響應。速度,變位,加速度。(t = 40秒)
41 \quad double \quad step = 0.5;
```

```
42 int iRow = (int) (40 / \text{step} + 1);
43 int iCol = M.GetLength(1) + 1;
44 ReMatrix Disp = new ReMatrix(iRow, iCol);
45 ReMatrix Vel = new ReMatrix(iRow, iCol);
46 ReMatrix Acc = new ReMatrix(iRow, iCol);
47 for (int i = 0; i != iRow; i++)
48
   {
49
       double t = step * i;
50
51
       Hexp = new CxToHexp(D, Q, t);
52
       MatTemp = Hexp. GetCxMatrix;
53
       CxMatrix yh Cx = MatTemp * d;
54
       ReMatrix yh_Re = (ReMatrix)yh_Cx;
55
       ReMatrix yhDot Re = A * yh Re;
56
57
       // 加速度Acc。
       Acc. Matrix[i, 0] = t;
58
       Acc. Matrix[i, 1] = yhDot Re. Matrix[0, 0];
59
       Acc. Matrix[i, 2] = yhDot Re. Matrix[1, 0];
60
       Acc. Matrix[i, 3] = yhDot Re. Matrix[2, 0];
61
62
63
       // 速度Vel。
       Vel.Matrix[i, 0] = t;
64
       Vel. Matrix[i, 1] = yh Re. Matrix[0, 0];
65
       Vel. Matrix[i, 2] = yh Re. Matrix[1, 0];
66
       Vel. Matrix[i, 3] = yh Re. Matrix[2, 0];
67
68
       // 位移Disp。
69
       Disp. Matrix[i, 0] = t;
70
       Disp. Matrix[i, 1] = yh Re. Matrix[3, 0];
71
72
       Disp. Matrix[i, 2] = yh Re. Matrix[4, 0];
73
       Disp. Matrix[i, 3] = yh Re. Matrix[5, 0];
74
75 }
76
77 // 列印標題。
78 Console. Write ("\n**** {0, 10} 狀 {0, 5} 態 {0, 5} 響 {0, 5} 應 {0, 10} ****\n",
     "");
79
80 // 列印狀態響應(節點的變位,速度,和加速)。
   Console. Write ("\n{0,5}***位移反應量***{0,5}\n{0,8} 時間(秒)"+
82
       "{0,8}第0點位移{0,8}第1點位移{0,8}第2點位移\n\n{1}",
83
       "", new PR(Disp));
   Console. Write ("\n{0,5}***速度反應量***{0,5}\n{0,8} 時間(秒)"+
84
       "{0,8}第0點速度{0,8}第1點速度{0,8}第2點速度\n\n{1}",
85
```

```
"", new PR(Ve1));
87 Console. Write ("\n***{0,5}加速度反應量{0,5}***\n{0,8}時間(秒)"+
        "\{0,7\}第0點加速度\{0,7\}第1點加速度\{0,7\}第2點加速度\{n \setminus n \{1\}",
88
 89
        "", new PR(Acc);
 90
91 // 分別列印時間、節點變位、速度、和加速度等序列。
 92 Console. Write ("\n時間序列:\n{0}\n", new PR4(Disp, 0));
93
94 Console. Write ("\n第0點變位序列:\n{0}\n", new PR4(Disp, 1));
 95 Console. Write ("\n第1點變位序列:\n{0}\n", new PR4(Disp, 2));
96 Console. Write ("\n第2點變位序列:\n{0}\n", new PR4(Disp, 3));
97 Console. Write ("\n第0點速度序列:\n{0}\n", new PR4(Vel, 1));
98 Console. Write ("\n第1點速度序列:\n{0}\n", new PR4(Vel, 2));
99 Console. Write ("\n第2點速度序列:\n{0}\n", new PR4(Vel, 3));
100 Console. Write ("\n第0點加速度序列:\n{0}\n", new PR4(Acc, 1));
101 Console. Write ("\n第1點嗲速度序列:\n{0}\n", new PR4(Acc, 2));
102 Console. Write ("\n第2點加速度序列:\n{0}\n", new PR4(Acc, 3));
103
104
        }
105 }
106
107 /*
                   統
                                 狀
                                       態
                                              參
                                                     數
108 ****
             系
                          與
                                                            ***
109
            系統特徵值V
110 ***
111
            0.00000 +
                             46.09947i
112
            0.00000
                             46.09947i
            0.00000 +
                             31.04770i
113
114
            0.00000 -
                             31. 04770i
                             14. 52167 i
115
            0.00000
            0.00000
116
                             14. 52167 i
117
            系統特徵向量Q
118 ***
                             ***
                                                0.73905 + 0.00000i,
119
      0.27298 + 0.00000i
                           0.27298 + 0.00000i
120
      0.73905 + 0.00000i
                           0.81141 + 0.00000i
                                                0.81141 + 0.00000i
121
122
     -0.69390 + 0.00000i,
                          -0.69390 + 0.00000i, -0.44830 + 0.00000i,
123
     -0.44830 + 0.00000i,
                           0.52623 + 0.00000i
                                                0.52623 + 0.00000i
124
125
      0.66597 + 0.00000i
                           0.66597 + 0.00000i, -0.50180 + 0.00000i,
     -0.50180 + 0.00000i,
                           0.24492 + 0.00000i
                                                0.24492 + 0.00000i
126
127
128
      0.00000 - 0.00592i
                           0.00000 + 0.00592i
                                                0.00000 - 0.02380i
129
      0.00000 + 0.02380i,
                           0.00000 - 0.05588i
                                                0.00000 + 0.05588i
130
```

C:\2	$302\Misc_10\Conso1eApp38$	S\Program.cs	S	
131	0.00000 + 0.01505i,	0.00000 -	0.01505i, 0.00000	+ 0.01444i,
132	0.00000 - 0.01444i,	0.00000 -	0.03624i, 0.00000	+ 0.03624i
133				
134	0.00000 - 0.01445i	0.00000 +	0.01445i, 0.00000	+ 0.01616i,
135	0.00000 - 0.01616i,			+ 0.01687i
136	,		,	
137	*** 係數向量d **	**		
138	-2. 78170 +	1.63905	i	
139	-2.78170 -	1.63905		
140	-2. 23945 -	2.30387		
141	-2.23945 +	2.30387	i	
142	2.97558 +	5. 28200		
143	2. 97558 -	5. 28200		
144				
145	****	響	應 ****	
146	***位移反應量***		,,	
147	時間(秒)	第0點位移	第1點位移	第2點位移
148	0.00000	0. 50000	0.40000	0.30000
149	0.50000	0.71318	0. 29042	0.16971
150	1.00000	-0.01535	0. 19230	-0.02364
151	1.50000	-0. 45288	-0.39900	-0.13435
152	2.00000	-0.64474	-0.47086	-0.14171
153	2. 50000	-0. 28078	-0.03707	-0.14830
154	3.00000	0.46792	0. 19118	0.13277
155	3. 50000	0.62626	0.42805	0.30532
156	4.00000	0.40897	0.26710	-0.05157
157	4. 50000	-0.38328	-0.15425	0.03183
158	5.00000	-0.51417	-0.57092	-0.23664
159	5. 50000	-0.64593	-0.11707	-0.13498
160	6.00000	0.31567	-0.03181	-0.02128
161	6. 50000	0.50226	0.44260	0.35189
162	7. 00000	0.66808	0.36601	-0.02597
163	7. 50000	-0.13772	0.04499	0.12603
164	8.00000	-0.41434	-0.50809	-0.19846
165	8. 50000	-0.77276	-0.24203	-0.20482
166	9.00000	-0.02862	-0.17046	-0.07039
167	9. 50000	0.43813	0.28498	0.25114
168	10.00000	0.66708	0.50256	0.08316
169	10.50000	0.26517	0. 15105	0.11488
170	11.00000	-0.35858	-0. 29612	-0.03524
171	11.50000	-0.67015	-0.37204	-0.32482
172	12.00000	-0.44939	-0. 23447	-0.04575
173	12.50000	0.36402	0.03065	0.07631
174	13.00000	0.50896	0.59078	0.18753
175	13.50000	0.63502	0. 22004	0.08130

C. \2302	Z\MISC_IO\CONSOTEA	ppso/rrogram.cs		
176	14.00000	-0. 22135	-0.05398	0. 13428
177	14.50000	-0. 49983	-0.39754	-0 . 37623
178	15.00000	-0.72605	-0.30203	-0.05364
179	15. 50000	0. 14465	-0.18758	-0.04114
180	16.00000	0.36380	0. 52861	0. 17253
181	16.50000	0.77542	0. 32159	0.12000
182	17.00000	0.09183	0. 10459	0.20183
183	17.50000	-0.38986	-0.25446	-0.28274
184	18.00000	-0.73472	-0.40708	-0.14590
185	18.50000	-0. 23415	-0.30140	-0.04495
186	19.00000	0. 28227	0.31084	0.02365
187	19.50000	0.66356	0. 43831	0. 22214
188	20.00000	0.49849	0. 16925	0.17619
189	20.50000	-0.30366	-0.00127	-0.09758
190	21.00000	-0.55408	-0.48213	-0.25362
191	21.50000	-0.60562	-0.35351	-0.00270
192	22.00000	0. 15876	0.04706	-0.15182
193	22.50000	0.45226	0.46997	0.27810
194	23.00000	0. 78533	0. 21546	0.16001
195	23.50000	-0.10719	0. 22795	0.04699
196	24.00000	-0.36405	-0.42311	-0.25855
197	24.50000	-0.76245	-0.42252	-0.01835
198	25.00000	-0.11865	-0.13708	-0.23278
199	25. 50000	0. 29610	0.34019	0. 19659
200	26.00000	0.80312	0. 29549	0. 22468
201	26.50000	0. 24433	0. 34582	0.07350
202	27.00000	-0.25142	-0.20646	-0.12441
203	27.50000	-0.65016	-0.51376	-0.10724
204	28.00000	-0.50216	-0. 21052	-0.20479
205	28.50000	0. 19418	0.08890	0.00906
206	29.00000	0.60269	0.36253	0.32319
207	29.50000	0.61256	0.37901	0.03108
208	30.00000	-0.13576	0.07098	0.05668
209	30. 50000	-0.40656	-0.54002	-0 . 17303
210	31.00000	-0.79244	-0. 24212	-0.16254
211	31.50000	0.02024	-0.15274	-0.15608
212	32.00000	0.36711	0. 31453	0.33823
213	32.50000	0. 78591	0.41134	0.02859
214	33.00000	0.10644	0. 27548	0.15495
215	33.50000	-0.20736	-0.41590	-0.11298
216	34.00000	-0.81957	-0.29981	-0.19399
217	34. 50000	-0.29780	-0. 28058	-0.20261
218	35.00000	0. 21674	0.11094	0.21345
219	35. 50000	0.67955	0.47012	0.10470
220	36.00000	0.46223	0. 35539	0.13277

7

17. 13673

-241. 17438

151.02933

354

19.00000

399

0.0000,

0.5000,

1.0000,

1.5000,

2.0000,

9

U:\2	2302\Misc_10\Co	onsoleApp38\Pr	rogram.cs			
400	2.5000,	3.0000,	3.5000,	4.0000,	4.5000,	
401	5.0000,	5.5000,	6.0000,	6.5000,	7.0000,	
402	7.5000,	8.0000,	8.5000,	9.0000,	9.5000,	
403	10.0000,	10.5000,	11.0000,	11.5000,	12.0000,	
404	12.5000,	13.0000,	13.5000,	14.0000,	14.5000,	
405	15.0000,	15. 5000,	16.0000,	16.5000,	17.0000,	
406	17.5000,	18.0000,	18.5000,	19.0000,	19.5000,	
407	20.0000,	20.5000,	21.0000,	21.5000,	22.0000,	
408	22.5000,	23.0000,	23.5000,	24.0000,	24.5000,	
409	25.0000,	25. 5000,	26.0000,	26.5000,	27.0000,	
410	27.5000,	28.0000,	28.5000,	29.0000,	29.5000,	
411	30.0000,	30.5000,	31.0000,	31.5000,	32.0000,	
412	32.5000,	33.0000,	33.5000,	34.0000,	34.5000,	
413	35.0000,	35. 5000,	36.0000,	36.5000,	37.0000,	
414	37.5000,	38.0000,	38.5000,	39.0000,	39.5000,	
415	40.0000,					
416						
417	第0點變位序列	:				
418	0.5000,	0.7132,	-0.0153,	-0.4529,	-0.6447,	
419	-0.2808,	0.4679,	0.6263,	0.4090,	-0.3833,	
420	-0.5142,	-0.6459,	0.3157,	0.5023,	0.6681,	
421	-0.1377,	-0.4143,	-0.7728,	-0.0286,	0.4381,	
422	0.6671,	0. 2652,	-0.3586,	-0.6702,	-0.4494,	
423	0.3640,	0.5090,	0.6350,	-0. 2214,	-0.4998,	
424	-0.7260,	0. 1447,	0.3638,	0.7754,	0.0918,	
425	-0.3899,	-0.7347,	-0.2341,	0. 2823,	0.6636,	
426	0.4985,	-0.3037,	-0.5541,	-0.6056,	0. 1588,	
427	0.4523,	0. 7853,	-0. 1072,	-0.3640,	-0. 7624,	
428	-0.1187,	0. 2961,	0.8031,	0. 2443,	-0. 2514,	
429	-0.6502,	-0. 5022,	0. 1942,	0.6027,	0. 6126,	
430	-0. 1358,	-0. 4066,	-0. 7924,	0.0202,	0. 3671,	
431	0. 7859,	0. 1064,	-0. 2074,	-0.8196,	-0. 2978,	
432	0. 2167,	0.6795,	0. 4622,	-0.0884,	-0.6042,	
433	-0. 6537,	0. 1008,	0.4109,	0.7524,	0.0626,	
434	-0. 3258,					
435	₩ - BI (
436	第1點變位序列		0 1000		0 4=00	
437	0.4000,	0. 2904,	0. 1923,	-0.3990,	-0.4709,	
438		0. 1912,	0. 4280,	0. 2671,	-0. 1542,	
439	-0. 5709,	-0. 1171,	-0.0318,	0.4426,	0.3660,	
440	0.0450,	-0. 5081,	-0. 2420,	-0. 1705,	0. 2850,	
441	0. 5026,	0. 1510,	-0. 2961,	-0. 3720,	-0. 2345,	
442	0.0306,	0. 5908,	0. 2200,	-0.0540,	-0.3975,	
443	· ·	-0. 1876,	0. 5286,	0. 3216,	0. 1046,	
444	-0.2545,	-0.4071,	-0.3014,	0. 3108,	0. 4383,	

C:\2302\Misc_10\Conso1eApp38\Program.cs						
445	0. 1692,	-0.0013,	-0.4821,	-0.3535,	0.0471,	
446	0.4700,	0.2155,	0.2279,	-0.4231,	-0.4225,	
447	-0.1371,	0.3402,	0. 2955,	0.3458,	-0.2065,	
448	-0.5138,	-0.2105,	0.0889,	0.3625,	0.3790,	
449	0.0710,	-0.5400,	-0.2421,	-0.1527,	0. 3145,	
450	0.4113,	0.2755,	-0.4159,	-0.2998,	-0.2806,	
451	0.1109,	0.4701,	0.3554,	-0.1620,	-0.3589,	
452	-0.3032,	-0.1670,	0.4845,	0.3695,	0.0975,	
453	-0.3235,					
454						
455	第2點變位序列	:				
456	0.3000,	0.1697,	-0.0236,	-0.1344,	-0.1417,	
457	-0.1483,	0.1328,	0.3053,	-0.0516,	0.0318,	
458	-0. 2366,	-0.1350,	-0.0213,	0.3519,	-0.0260,	
459	0. 1260,	-0.1985,	-0. 2048,	-0.0704,	0.2511,	
460	0.0832,	0.1149,	-0.0352,	-0.3248,	-0.0457,	
461	0.0763,	0. 1875,	0.0813,	0. 1343,	-0.3762,	
462	-0.0536,	-0.0411,	0. 1725,	0. 1200,	0. 2018,	
463	-0. 2827,	-0.1459,	-0.0449,	0.0236,	0. 2221,	
464	0. 1762,	-0.0976,	-0. 2536,	-0.0027,	-0.1518,	
465	0. 2781,	0. 1600,	0.0470,	-0.2585,	-0.0183,	
466	-0. 2328,	0. 1966,	0. 2247,	0.0735,	-0. 1244,	
467	-0. 1072,	-0. 2048,	0.0091,	0. 3232,	0.0311,	
468	0.0567,	-0. 1730,	-0. 1625,	-0. 1561,	0. 3382,	
469	0.0286,	0. 1550,	-0.1130,	-0. 1940,	-0. 2026,	
470	0. 2135,	0. 1047,	0. 1328,	0.0642,	-0. 2757,	
471	-0. 1589,	0.0227,	0. 1800,	0.0728,	0. 2383,	
472	-0.2958,					
473	66 0 BL 14 14 14 14 14 14					
	第0點速度序列		1.4.0.400	2 4424	0.5554	
475			-14 . 0466 ,			
476						
477	,					
478	*					
479			-2. 2648 ,			
480			-10. 8751,			
481	3. 2909,		4. 7619,			
482	,	•	14. 4003,		*	
483			-8. 3773,			
484			-8. 8848,			
485		2. 8682,		-11. 7233,		
486 487	-5. 4563, -8. 3463		5. 2401, 6. 8240,			
487						
489			-5. 2397, -13. 2076			
409	5. 3775,	1. 9000,	-13 . 2076,	4. 5000,	-7. 3301,	

$C: \setminus 2$	2302\Misc_10\C	onsoleApp38\P	rogram.cs			
490	7. 7951,	6.3180,	10. 4310,	-7. 5691,	-7.4502,	
491	-6.9278,					
492						
493	第1點速度序列	∫ :				
494	9.0000,	-9.0859,	-3.7733,	-3.0725,	0.6948,	
495	2.9461,	11.8704,	-6.5568,	-3.5695,	-3.6069,	
496	-3. 1946,	3. 1540,	10.8184,	-1.1585,	-4.9079,	
497	-1.0901,	-8.4928,	3.6396,	8. 1707,	3.7871,	
498	-4.9653,	1. 2922,	-11.4498,	1.5192,	6.9973,	
499	5. 1066,	-1.7445,	1.4985,	-10.3194,	-3.6125,	
500	7.7244,	2.9155,	3.3395,	0.7980,	-6.9857,	
501	-8.8207,	7.8296,	0.2608,	6. 5975,	2. 1305,	
502	-4.7381,	-10.6494,	4.9278,	-0.3019,	5. 7478,	
503	6.5076,	-4.6723,	-8.5890,	-0.2044,	0.5849,	
504	2. 1526,	11.4801,	-4.6749,	-5.4299,	-4.0638,	
505	0.0506,	-0.8052,	13.4315,	-2.0789,	-4.1499,	
506	-3.9085,	-3.4689,	-1.3970,	11.2401,	2.9920,	
507	-4.7686,	-0.5208,	-8.0895,	-1.2360,	7.3335,	
508	7.3407,	-4.6096,	2.7523,	-10.1600,	-3.1561,	
509	5.0045,	7.8604,	-1.6330,	3.6086,	-7.9831,	
510	-7.6774,					
511						
512	第2點速度序列	∫ :				
513	0.0000,	-0.2446,	0.0438,	-8.8658,	7.6128,	
514	-0.1917,	1.6112,	0.5759,	0.3358,	-8.7160,	
515	4.6293,	1.5725,	-0.5550,	4. 5382,	-1.7139,	
516	-5.7617,	-0.0813,	4. 1642,	-3.7689,	8. 2183,	
517	-2.7451,	-3.6334,	-2.5961,	4. 1092,	-4.5888,	
518	8. 3145,	-0.2519,	-4. 5576,	-1.1683,	0.6596,	
519	-2.6533,	5. 1195,	4. 4756,	-6.9429,	1.9894,	
520	-3. 1913,	-1.0016,	2.0925,	7. 5741,	-7.2441,	
521	3. 2125,	-3.8155,	-2.5834,	2.0203,	6.6819,	
522	-4.0342,	1.4108,	-0.7895,	-6.8248,	4.0003,	
523	3.4091,	0.2297,	-0.8180,	2. 7333,	-10.0648,	
524	4. 5583,	1.5051,	1.7244,	-0.1999,	3.5121,	
525	-9.4141,	1.6503,	2.7514,	-0.6786,	3. 4224,	
526	1.7230,	-5.8183,	-2.8899,	5.0984,	-4. 2544,	
527	6.7237,	0.6315,	-2.9704,	-5.1846,	5.0813,	
528	-5. 4312,	6. 3934,	2.8153,	-3. 2804,	-3.4405,	
529	1.8262,					
530						
531	第0點加速度序	三列:				
532	-60.0000,	-253.6570,	124. 5878,	32. 3306,	104. 3288,	
533	146. 2270,	-166.0423,	-118.9288,	-85. 1256,	137. 4176,	
534	-34.0456,	317. 3125,	-208.4901,	-35.7968,	-181. 2405,	

536 -98.7123, -68.4748, 37.4798, 178.8669, 128.9545, 537 -200.0229, 49.0879, -248.9860, 100.4211, 61.3761, 538 254.4100, -199.3410, 98.8873, -272.2999, 7.6556, 539 81.2436, 196.5824, -40.3531, 17.1367, -135.1522, 540 -197.5439, 181.4330, 43.1700, 151.2653, -67.0208, 541 10.6276, -341.9228, 201.0820, -35.4374, 203.9544, 542 -11.0582, 26.4527, -304.5755, 60.8936, 26.9760, 543 81.8417, 174.9842, -63.1647, -144.0977, -140.1294, -124.0454, -80.0728, 330.1912, -103.7864, -31.5486, -63.4803, -125.6572, -64.0987, -44.1611, 147.1557, -47.210,	C:\2302\Misc_10\ConsoleApp38\Program.cs						
537 -200.0229 49.0879 -248.9860 100.4211 61.3761 538 254.4100 -199.3410 98.8873 -272.2999 7.6566 539 81.2436 196.5824 -40.3531 17.1367 -135.1522 540 -197.5439 181.4330 43.1700 151.2653 -67.0208 541 10.6276 -341.9228 201.0820 -35.4374 203.9544 542 -11.0582 26.4527 -304.5755 60.8936 26.9760 543 81.8417 174.9842 -63.1647 -144.0977 -140.129 544 124.0454 -80.0728 330.1912 -103.7864 -31.5486 545 -224.7414 101.4248 -125.1201 311.8553 10.338 546 -63.4803 -125.6572 -64.0987 -44.1611 147.1557 547 210.3398 -160.6763 44.1455 -229.7858 20.9681 551 -40.0000 72.5366 -255.8109 190.1648 193.7673 <	535	109.6265,	-56. 2475,	318. 4399,	-85. 1024,	-91.8903,	
538 254.4100 -199.3410 98.8873 -272.2999 7.6566 539 81.2436 196.5824 -40.3531 17.1367 -135.1522 540 -197.5439 181.4330 43.1700 151.2653 -67.0208 541 10.6276 -341.9228 201.0820 -35.4374 203.9544 542 -11.0582 26.4527 -304.5755 60.8936 26.9766 543 81.8417 174.9842 -63.1647 -144.0977 -140.1294 124.0454 -80.0728 330.1912 -103.7864 -31.5486 545 -224.7414 101.4248 -125.1201 311.8553 10.3338 546 -63.4803 -125.6572 -64.0987 -44.1611 147.1557 547 210.3398 -160.6763 44.1455 -229.7858 20.9681 557 210.3398 -160.6763 44.1455 -229.7858 20.9681 552 -186.4644 63.9639 -18.8962 -198.1859 57.2477 553 290.1210 -225.8694 147.4130 -48.7017 -192.7628 556 169.8740 -355.3226 55.0027 83.6661 -23.8665 557 29.1072 250.0482 -350.7951 20.2679 72.6937 558 -76.7900 77.8876 232.0642 -241.1744 -82.8380 137.2516 -198.028 154.0247 179.8038 -114.419 560 -160.5784 183.5876 -278.8158 155.2779 187.3694 566 -69.1862 -132.5122 146.4022 -258.4562 47.65556 270.6479 -112.0718 -21.7664 64.5899 -31.4775 -32.2426 55.4846 -156.3763 -164.0372 325.7520 -123.2426 55.4846 -566 -24.8222 258.9031 -273.0724 -84.1350 98.6527 -21.2641 -22.58692 -135.388 -208.5643 -135.3647 210.3549 -31.4775 -32.666 -24.8222 258.9031 -273.0724 -84.1350 98.6527 -21.2641 -22.58692 -13.4403 -22.3886 -24.8222 258.9031 -273.0724 -84.1350 98.6527 -256.0692 -73.1705 -24.888 -26.557 -7.1583 162.0139 3.3021 -205.7218 -205.7718 -262.2777 258.5699 -270.0000 -80.3115 150.8430 -37.8736 -69.9506 -24.8222 258.9031 -273.0724 -84.1350 98.6527 -256.6692 -73.1705 -24.4810 -262.2777 258.5699 -256.6692 -73.1705 -124.810 -262.2777 258.5699 -256.6692 -73.1705 -124.810 -264.0067 -72.0577 -256.6692 -73.1705 -10.0675 -233.8159 325.	536	-98.7123,	-68. 4748,	37. 4798,	178.8669,	128.9545,	
539 81.2436, 196.5824, -40.3531, 17.1367, -135.1522 540 -197.5439, 181.4330, 43.1700, 151.2653, -67.0208 541	537	-200.0229,	49.0879,	-248.9860,	100.4211,	61.3761,	
540 -197. 5439, 181. 4330, 43.1700, 151. 2653, -67. 0208 541 10. 6276, -341. 9228, 201. 0820, -35. 4374, 203. 9544 542 -11. 0582, 26. 4527, -304. 5755, 60. 8936, 26. 9766 543 81. 8417, 174. 9842, -63. 1647, -144. 0977, -140. 1294 544 124. 0454, -80. 0728, 330. 1912, -103. 7864, -31. 5486 545 -224. 7414, 101. 4248, -125. 1201, 311. 8553, 10. 338 546 -63. 4803, -125. 6572, -64. 0987, -44. 1611, 147. 1557 547 210. 3398, -160. 6763, 44. 1455, -229. 7858, 20. 9681 548 1. 3513, 549 550 第1點墜速度序列: 551 -40.0000, 72. 5366, -255. 8109, 190. 1648, 193. 7673 552 -186. 4644, 63. 9639, -18. 8962, -198. 1859, 57. 2477 553 290. 1210, -225. 8694, 147. 4130, -48. 7017, -192. 7625 554 -8. 2518, 285. 1977,	538	254.4100,	-199.3410,	98.8873,	-272. 2999,	7.6569,	
541 10.6276, -341.9228, 201.0820, -35.4374, 203.9544 542 -11.0582, 26.4527, -304.5755, 60.8936, 26.9766 543 81.8417, 174.9842, -63.1647, -144.0977, -140.1294 544 124.0454, -80.0728, 330.1912, -103.7864, -31.5486 545 -224.7414, 101.4248, -125.1201, 311.8553, 10.333 546 -63.4803, -125.6572, -64.0987, -44.1611, 147.1557 547 210.3398, -160.6763, 44.1455, -229.7858, 20.9681 548 1.3513,	539	81. 2436,	196. 5824,	-40.3531,	17. 1367,	-135. 1522,	
542 -11.0582, 26.4527, -304.5755, 60.8936, 26.9766 543 81.8417, 174.9842, -63.1647, -144.0977, -140.1294 544 124.0454, -80.0728, 330.1912, -103.7864, -31.5486 545 -224.7414, 101.4248, -125.1201, 311.8553, 10.3338 546 -63.4803, -125.6572, -64.0987, -44.1611, 147.1555 547 210.3398, -160.6763, 44.1455, -229.7858, 20.9681 548 1.3513, -49 -40.0000, 72.5366, -255.8109, 190.1648, 193.7673 552 -186.4644, 63.9639, -18.8962, -198.1859, 57.2477 553 290.1210, -225.8694, 147.4130, -48.7017, -192.7625 554 -8.2518, 285.1977, -182.5262, 136.7949, 34.1875 555 -269.7131, 16.7196, 183.7156, -81.4694, 65.0048 555 -269.7131, 16.7196, 183.7156, -81.4694, 65.0048 556 169.8740	540	-197.5439,	181. 4330,	43. 1700,	151. 2653,	-67.0208,	
543 81.8417, 174.9842, -63.1647, -144.0977, -140.1294 124.0454, -80.0728, 330.1912, -103.7864, -31.5486 545 -224.7414, 101.4248, -125.1201, 311.8553, 10.3335 546 -63.4803, -125.6572, -64.0987, -44.1611, 147.1557 147.1557 210.3398, -160.6763, 44.1455, -229.7858, 20.9681 1.3513, 549 550 第1點嗲速度序列 :	541	10.6276,	-341. 9228,	201. 0820,	-35. 4374,	203. 9544,	
544 124.0454,	542	-11.0582,	26. 4527,	-304. 5755,	60.8936,	26. 9760,	
545 -224.7414, 101.4248, -125.1201, 311.8553, 10.3338	543	81.8417,	174. 9842,	-63. 1647,	-144.0977,	-140. 1294,	
545 -224.7414, 101.4248, -125.1201, 311.8553, 10.3338	544	124.0454,	-80.0728,	330. 1912,	-103. 7864,	-31. 5486,	
546 -63. 4803, -125. 6572, -64. 0987, -44. 1611, 147. 1557, 147. 210. 3398, -160. 6763, 44. 1455, -229. 7858, 20. 9681, 143513, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 144. 1455, -229. 7858, 20. 9681, 145. 1455, 20. 9681, 1455, 20. 9681, 145. 1455, 20. 9681, 1455, 14555, 14555, 14555, 14555, 14555, 14555, 14555, 14555, 14555, 14555, 14555, 14555, 14555, 1455	545			-125. 1201,	311.8553,	10. 3339,	
547 210. 3398, -160. 6763, 44. 1455, -229. 7858, 20. 9681 548 1. 3513, -549 550 第1點嗲速度序列: -550 -551 -40. 0000, 72. 5366, -255. 8109, 190. 1648, 193. 7673 552 -186. 4644, 63. 9639, -18. 8962, -198. 1859, 57. 2477 -572. 625 553 290. 1210, -225. 8694, 147. 4130, -48. 7017, -192. 7625 554 -8. 2518, 285. 1977, -182. 5262, 136. 7949, 34. 1875 555 -269. 7131, 16. 7196, 183. 7156, -81. 4694, 65. 0048 556 169. 8740, -355. 3226, 55. 0027, 83. 6661, -23. 8666 557 29. 1072, 250. 0482, -350. 7951, 20. 2679, 72. 6937 558 -76. 7900, 77. 8876, 232. 0642, -241. 1744, -82. 8380 559 137. 2516, -198. 0028, 154. 0247, 179. 8038, -114. 4194 560 -160. 5784, 183. 5876, -278. 8158, 155. 2779, 187. 3694 561 -69. 1862, -132. 5122, 146. 4022, -258. 4562, 47. 6556 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4775 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527 <t< td=""><td>546</td><td>-63. 4803,</td><td>-125. 6572,</td><td>-64. 0987,</td><td>-44. 1611,</td><td>147. 1557,</td></t<>	546	-63. 4803,	-125. 6572,	-64. 0987,	-44. 1611,	147. 1557,	
548 1. 3513, 549 550 第1點嗲速度序列: 551 -40.0000, 72.5366, -255.8109, 190.1648, 193.7673 552 -186.4644, 63.9639, -18.8962, -198.1859, 57.2477 553 290.1210, -225.8694, 147.4130, -48.7017, -192.7625 554 -8.2518, 285.1977, -182.5262, 136.7949, 34.1875 555 -269.7131, 16.7196, 183.7156, -81.4694, 65.0048 556 169.8740, -355.3226, 55.0027, 83.6661, -23.8666 557 29.1072, 250.0482, -350.7951, 20.2679, 72.6937 558 -76.7900, 77.8876, 232.0642, -241.1744, -82.8380 559 137.2516, -198.0028, 154.0247, 179.8038, -114.4194 560 -160.5784, 183.5876, -278.8158, 155.2779, 187.3694 561 -69.1862, -132.5122, 146.4022, -258.4562, 47.6556 562 270.6479, -112.0718, -21.7664, 64.5899, -184.9250 563 -94.1411, 346.9710, -156.4679, 66.5125, 39.9967 564 -156.3763, -164.0372, 325.7520, -123.2426, 55.4840 566 -24.8222, 258.9031, -273.0724, -84.1350, 98.6527 570 -210.0000, -80.3115, 150.8430, -37.8736, -69.9506 571 200.2004, -84.4403, -201.1531, 237.6190, -140.2892 572 12.4053, 132.2312, 12.8407, -262.2777, 258.5694 573 -162.0557, -7.1583, 162.0139, 3.3021, -2055.7218 574 176.7992, -81.6962, -124.8101, 264.0067, -72.0577 575 -96.0692, 73.1705, 10.0675, -233.8159, 325.8166 577 271.4366, -25.3926, -113.4190, 151.0293, -70.2176 578 -162.7393, 145.6055, 91.1565, -208.0577, 255.9606	547	210. 3398,	-160. 6763,	44. 1455,		20.9681,	
559 第1點哆速度序列: 551 -40.0000, 72.5366, -255.8109, 190.1648, 193.7673 552 -186.4644, 63.9639, -18.8962, -198.1859, 57.2473 553 290.1210, -225.8694, 147.4130, -48.7017, -192.7628 554 -8.2518, 285.1977, -182.5262, 136.7949, 34.1878 555 -269.7131, 16.7196, 183.7156, -81.4694, 65.0048 556 169.8740, -355.3226, 55.0027, 83.6661, -23.8668 557 29.1072, 250.0482, -350.7951, 20.2679, 72.6937 558 -76.7900, 77.8876, 232.0642, -241.1744, -82.8380 559 137.2516, -198.0028, 154.0247, 179.8038, -114.4194 560 -160.5784, 183.5876, -278.8158, 155.2779, 187.3694 561 -69.1862, -132.5122, 146.4022, -258.4562, 47.6553 562 270.6479, -112.0718, -21.7664, 64.5899, -184.9250 563 -94.1411, 346.9710, -156.4679, 66.5125, 39.9967 564 -156.3763, -164.0372, 325.7520, -123.2426, 55.4840 565 124.3288, -208.5643, -135.3647, 210.3549, -31.4775 566 -24.8222, 258.9031, -273.0724, -84.1350, 98.6523 570 -210.0000, -80.3115, 150.8430, -37.8736, -69.9506 571 200.2004, -84.4403, -201.1531, 237.6190, -140.2892 572 12.4053, 132.2312, 12.8407, -262.2777, 258.5694 573 -162.0557, -7.1583, 162.0139, 3.3021, -205.7218 574 176.7992, -81.6962, -124.8101, 264.0067, -72.0573 575 -96.0692, 73.1705, 10.0675, -233.8159, 325.8162 576 -100.7592, -50.8388, 58.3800, 12.9456, -240.0001 577 271.4366, -25.3926, -113.4190, 151.0293, -70.2176 578 -162.7393, 145.6055, 91.1565, -208.0577, 255.9608	548		•		•	,	
551 -40.0000, 72.5366, -255.8109, 190.1648, 193.7673 552 -186.4644, 63.9639, -18.8962, -198.1859, 57.2473 553 290.1210, -225.8694, 147.4130, -48.7017, -192.7625 554 -8.2518, 285.1977, -182.5262, 136.7949, 34.1873 555 -269.7131, 16.7196, 183.7156, -81.4694, 65.0048 556 169.8740, -355.3226, 55.0027, 83.6661, -23.8666 557 29.1072, 250.0482, -350.7951, 20.2679, 72.693 558 -76.7900, 77.8876, 232.0642, -241.1744, -82.838 559 137.2516, -198.0028, 154.0247, 179.8038, -114.419 560 -160.5784, 183.5876, -278.8158, 155.2779, 187.3694 561 -69.1862, -132.5122, 146.4022, -258.4562, 47.6553 562 270.6479, -112.0718, -21.7664, 64.5899, -184.9256 563 -94.1411, 346.9710, -	549	ŕ					
552 -186. 4644, 63. 9639, -18. 8962, -198. 1859, 57. 2477, 553 290. 1210, -225. 8694, 147. 4130, -48. 7017, -192. 7625 554 -8. 2518, 285. 1977, -182. 5262, 136. 7949, 34. 1873 555 -269. 7131, 16. 7196, 183. 7156, -81. 4694, 65. 0048 556 169. 8740, -355. 3226, 55. 0027, 83. 6661, -23. 8666 557 29. 1072, 250. 0482, -350. 7951, 20. 2679, 72. 6937 558 -76. 7900, 77. 8876, 232. 0642, -241. 1744, -82. 8380 559 137. 2516, -198. 0028, 154. 0247, 179. 8038, -114. 4194 560 -160. 5784, 183. 5876, -278. 8158, 155. 2779, 187. 3694 561 -69. 1862, -132. 5122, 146. 40247, 179. 8038, -114. 4194 561 -69. 1862, -112. 0718, -21. 7664, 64. 5899, -184. 9250 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250 564	550	第1點嗲速度	序列 :				
553 290. 1210, -225. 8694, 147. 4130, -48. 7017, -192. 7625 554 -8. 2518, 285. 1977, -182. 5262, 136. 7949, 34. 1875 555 -269. 7131, 16. 7196, 183. 7156, -81. 4694, 65. 0048 556 169. 8740, -355. 3226, 55. 0027, 83. 6661, -23. 8665 557 29. 1072, 250. 0482, -350. 7951, 20. 2679, 72. 6937 558 -76. 7900, 77. 8876, 232. 0642, -241. 1744, -82. 8380 559 137. 2516, -198. 0028, 154. 0247, 179. 8038, -114. 4194 560 -160. 5784, 183. 5876, -278. 8158, 155. 2779, 187. 3694 561 -69. 1862, -132. 5122, 146. 4022, -258. 4562, 47. 6553 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4773 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527 567 21. 2641, 568 5228h m x x 24403, -201. 1531, 237. 6190, -140. 2892 571 200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892 572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218 574 1	551	-40.0000,	72. 5366,	-255.8109,	190. 1648,	193.7673,	
554 -8. 2518, 285. 1977, -182. 5262, 136. 7949, 34. 1878 555 -269. 7131, 16. 7196, 183. 7156, -81. 4694, 65. 0048 556 169. 8740, -355. 3226, 55. 0027, 83. 6661, -23. 8668 557 29. 1072, 250. 0482, -350. 7951, 20. 2679, 72. 6937 558 -76. 7900, 77. 8876, 232. 0642, -241. 1744, -82. 8380 559 137. 2516, -198. 0028, 154. 0247, 179. 8038, -114. 4194 560 -160. 5784, 183. 5876, -278. 8158, 155. 2779, 187. 3694 561 -69. 1862, -132. 5122, 146. 4022, -258. 4562, 47. 6553 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4773 566 <td>552</td> <td>-186. 4644,</td> <td>63.9639,</td> <td>-18.8962,</td> <td>-198.1859,</td> <td>57. 2477,</td>	552	-186. 4644,	63.9639,	-18.8962,	-198.1859,	57. 2477,	
555 -269.7131, 16.7196, 183.7156, -81.4694, 65.0048 556 169.8740, -355.3226, 55.0027, 83.6661, -23.8666 557 29.1072, 250.0482, -350.7951, 20.2679, 72.6937 558 -76.7900, 77.8876, 232.0642, -241.1744, -82.8380 559 137.2516, -198.0028, 154.0247, 179.8038, -114.4194 560 -160.5784, 183.5876, -278.8158, 155.2779, 187.3694 561 -69.1862, -132.5122, 146.4022, -258.4562, 47.6553 562 270.6479, -112.0718, -21.7664, 64.5899, -184.9250 563 -94.1411, 346.9710, -156.4679, 66.5125, 39.9967 564 -156.3763, -164.0372, 325.7520, -123.2426, 55.4840 565 124.3288, -208.5643, -135.3647, 210.3549, -31.4773 566 -24.8222, 258.9031, -273.0724, -84.1350, 98.6527 570 -210.0000, -80.3115,	553	290. 1210,	-225.8694,	147. 4130,	-48.7017,	-192.7625,	
556 169.8740, -355.3226, 55.0027, 83.6661, -23.8666 557 29.1072, 250.0482, -350.7951, 20.2679, 72.6937 558 -76.7900, 77.8876, 232.0642, -241.1744, -82.8386 559 137.2516, -198.0028, 154.0247, 179.8038, -114.4194 560 -160.5784, 183.5876, -278.8158, 155.2779, 187.3694 561 -69.1862, -132.5122, 146.4022, -258.4562, 47.6553 562 270.6479, -112.0718, -21.7664, 64.5899, -184.9250 563 -94.1411, 346.9710, -156.4679, 66.5125, 39.9967 564 -156.3763, -164.0372, 325.7520, -123.2426, 55.4840 565 124.3288, -208.5643, -135.3647, 210.3549, -31.4775 566 -24.8222, 258.9031, -273.0724, -84.1350, 98.6527 567 21.2641, 568 569 第2點加速度序列: 150.8430, -37.8736, -69.9506 571	554	-8. 2518,	285. 1977,	-182 . 5262 ,	136. 7949,	34. 1875,	
557 29. 1072, 250. 0482, -350. 7951, 20. 2679, 72. 6937 558 -76. 7900, 77. 8876, 232. 0642, -241. 1744, -82. 8380 559 137. 2516, -198. 0028, 154. 0247, 179. 8038, -114. 4194 560 -160. 5784, 183. 5876, -278. 8158, 155. 2779, 187. 3694 561 -69. 1862, -132. 5122, 146. 4022, -258. 4562, 47. 6553 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4778 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527 567 21. 2641, 568 569 第2點加速度序列: 570 -210. 0000, -80. 3115, 150. 8430, -37. 8736, -69. 9506 571 200. 2004, <t< td=""><td>555</td><td>-269.7131,</td><td>16.7196,</td><td>183.7156,</td><td>-81.4694,</td><td>65.0048,</td></t<>	555	-269.7131,	16.7196,	183.7156,	-81.4694,	65.0048,	
558 -76. 7900, 77. 8876, 232. 0642, -241. 1744, -82. 8380 559 137. 2516, -198. 0028, 154. 0247, 179. 8038, -114. 4194 560 -160. 5784, 183. 5876, -278. 8158, 155. 2779, 187. 3694 561 -69. 1862, -132. 5122, 146. 4022, -258. 4562, 47. 6553 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9256 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4773 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527 567 21. 2641, -84. 4403, -201. 1531, 237. 6190, -140. 2892 572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218 57	556	169.8740,	-355. 3226,	55.0027,	83.6661,	-23.8665,	
559 137. 2516, -198. 0028, 154. 0247, 179. 8038, -114. 4194 560 -160. 5784, 183. 5876, -278. 8158, 155. 2779, 187. 3694 561 -69. 1862, -132. 5122, 146. 4022, -258. 4562, 47. 6553 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4775 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527 567 21. 2641, 568 \$\frac{9}{2}\$\text{limix} \text{ k} \text{ 4403}, -201. 1531, 237. 6190, -140. 2892 571 200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892 572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218 574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0571 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608	557	29. 1072,	250.0482,	-350. 7951,	20. 2679,	72.6937,	
560 -160. 5784、183. 5876、-278. 8158、155. 2779、187. 3694 561 -69. 1862、-132. 5122、146. 4022、-258. 4562、47. 6553 562 270. 6479、-112. 0718、-21. 7664、64. 5899、-184. 9256 563 -94. 1411、346. 9710、-156. 4679、66. 5125、39. 9967 564 -156. 3763、-164. 0372、325. 7520、-123. 2426、55. 4846 565 124. 3288、-208. 5643、-135. 3647、210. 3549、-31. 4778 566 -24. 8222、258. 9031、-273. 0724、-84. 1350、98. 6527 567 21. 2641、 568 **** 570 -210. 0000、-80. 3115、150. 8430、-37. 8736、-69. 9506 571 200. 2004、-84. 4403、-201. 1531、237. 6190、-140. 2892 572 12. 4053、132. 2312、12. 8407、-262. 2777、258. 5694 573 -162. 0557、-7. 1583、162. 0139、3. 3021、-205. 7218 574 176. 7992、-81. 6962、-124. 8101、264. 0067、-72. 0571 575 -96. 0692、73. 1705、10. 0675、-233. 8159、325. 8162 576 -100. 7592、-50. 8388、58. 3800、12. 9456、-240. 0001 577 271. 4366、-25. 3926、-113. 4190、151. 0293、-70. 2176 578 -162. 7393、145. 6055、91. 1565、-208. 0577、255. 9608	558	-76. 7900,	77.8876,	232.0642,	-241. 1744,	-82.8380,	
561 -69. 1862, -132. 5122, 146. 4022, -258. 4562, 47. 6553, 562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250, 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967, 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840, 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4779, 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527, 567 21. 2641, -568 569 第2點加速度序列: -57. 87. 8736, -69. 9506, 571 200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892, 572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694, 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218, 574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0573, 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325.	559	137. 2516,	-198.0028,	154.0247,	179.8038,	-114. 4194,	
562 270. 6479, -112. 0718, -21. 7664, 64. 5899, -184. 9250, 563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967, 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840, 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4779, 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527, 567 98. 6527, 567 569 第2點加速度序列: 570 -210. 0000, -80. 3115, 150. 8430, -37. 8736, -69. 9506, 571 200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892, 572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694, 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218, 574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0577, 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162, 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0000, 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176, 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608, 577	560	-160.5784,	183. 5876,	-278. 8158,	155. 2779,	187. 3694,	
563 -94. 1411, 346. 9710, -156. 4679, 66. 5125, 39. 9967, 564 -156. 3763, -164. 0372, 325. 7520, -123. 2426, 55. 4840, 565 124. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4779, 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527, 568 98. 6527, 568 569 第2點加速度序列: -210. 0000, -80. 3115, 150. 8430, -37. 8736, -69. 9506, 571, 200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892, 572, 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694, 573, -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218, 574, 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0577, 575, -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162, 576, -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0000, 577, 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176, 578, -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608, 576	561	-69. 1862,	<i>−</i> 132. 5122,	146. 4022,	-258. 4562,	47.6553,	
564 -156. 3763, -164. 0372, 565 325. 7520, -123. 2426, 55. 4840, 565 565. 4840, 566 -24. 3288, -208. 5643, -135. 3647, 210. 3549, -31. 4779, 566 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527, 567 98. 6527, 567 98. 6527, 567 -21. 2641, 568 -24. 8222, 258. 9031, -273. 0724, -84. 1350, 98. 6527, 568 -84. 1350, 98. 6527, 567 -84. 1350, 98. 6527, 568 -69. 9506, 567 -69. 9506, 567 -69. 9506, 571 -200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892, 572 -12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694, 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218, 574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0571, 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162, 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001, 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176, 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608, 578	562	270.6479,	-112.0718,	-21. 7664,	64. 5899,	-184.9250,	
565 124.3288, -208.5643, -135.3647, 210.3549, -31.4779, 566 -24.8222, 258.9031, -273.0724, -84.1350, 98.6527, 21.2641, 568 567 21.2641, 568 569 第2點加速度序列: 570 -210.0000, -80.3115, 150.8430, -37.8736, -69.9506, 571 200.2004, -84.4403, -201.1531, 237.6190, -140.2892, 572 12.4053, 132.2312, 12.8407, -262.2777, 258.5694, 573 -162.0557, -7.1583, 162.0139, 3.3021, -205.7218, 574 176.7992, -81.6962, -124.8101, 264.0067, -72.0571, 575 -96.0692, 73.1705, 10.0675, -233.8159, 325.8162, 576 -100.7592, -50.8388, 58.3800, 12.9456, -240.0001, 577 271.4366, -25.3926, -113.4190, 151.0293, -70.2176, 578 -162.7393, 145.6055, 91.1565, -208.0577, 255.9608, 575	563	-94. 1411,	346.9710,	-156.4679,	66. 5125,	39.9967,	
566 -24.8222, 258.9031, -273.0724, -84.1350, 98.6527, 567 21.2641,	564	-156. 3763,	-164.0372,	325. 7520,	-123. 2426,	55. 4840,	
567 21. 2641, 568 569 第2點加速度序列: 570 -210. 0000, -80. 3115, 150. 8430, -37. 8736, -69. 9506 571 200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892 572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218 574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0571 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608	565	124. 3288,	-208. 5643,	-135 . 3647 ,	210. 3549,	-31.4779,	
568 569 第2點加速度序列: 570 -210.0000, -80.3115, 150.8430, -37.8736, -69.9506 571 200.2004, -84.4403, -201.1531, 237.6190, -140.2892 572 12.4053, 132.2312, 12.8407, -262.2777, 258.5694 573 -162.0557, -7.1583, 162.0139, 3.3021, -205.7218 574 176.7992, -81.6962, -124.8101, 264.0067, -72.0571 575 -96.0692, 73.1705, 10.0675, -233.8159, 325.8162 576 -100.7592, -50.8388, 58.3800, 12.9456, -240.0001 577 271.4366, -25.3926, -113.4190, 151.0293, -70.2176 578 -162.7393, 145.6055, 91.1565, -208.0577, 255.9608	566	-24.8222,	258.9031,	-273. 0724,	-84. 1350,	98.6527,	
569 第2點加速度序列: 570 -210.0000, -80.3115, 150.8430, -37.8736, -69.9506 571 200.2004, -84.4403, -201.1531, 237.6190, -140.2892 572 12.4053, 132.2312, 12.8407, -262.2777, 258.5694 573 -162.0557, -7.1583, 162.0139, 3.3021, -205.7218 574 176.7992, -81.6962, -124.8101, 264.0067, -72.0571 575 -96.0692, 73.1705, 10.0675, -233.8159, 325.8162 576 -100.7592, -50.8388, 58.3800, 12.9456, -240.0001 577 271.4366, -25.3926, -113.4190, 151.0293, -70.2176 578 -162.7393, 145.6055, 91.1565, -208.0577, 255.9608	567	21. 2641,					
570 -210.0000, -80.3115, 150.8430, -37.8736, -69.9506 571 200.2004, -84.4403, -201.1531, 237.6190, -140.2892 572 12.4053, 132.2312, 12.8407, -262.2777, 258.5694 573 -162.0557, -7.1583, 162.0139, 3.3021, -205.7218 574 176.7992, -81.6962, -124.8101, 264.0067, -72.0571 575 -96.0692, 73.1705, 10.0675, -233.8159, 325.8162 576 -100.7592, -50.8388, 58.3800, 12.9456, -240.0001 577 271.4366, -25.3926, -113.4190, 151.0293, -70.2176 578 -162.7393, 145.6055, 91.1565, -208.0577, 255.9608							
571 200. 2004, -84. 4403, -201. 1531, 237. 6190, -140. 2892 572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218 574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0571 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608							
572 12. 4053, 132. 2312, 12. 8407, -262. 2777, 258. 5694 573 -162. 0557, -7. 1583, 162. 0139, 3. 3021, -205. 7218 574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0571 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608					*	-69. 9506,	
573 -162.0557, -7.1583, 162.0139, 3.3021, -205.7218 574 176.7992, -81.6962, -124.8101, 264.0067, -72.0571 575 -96.0692, 73.1705, 10.0675, -233.8159, 325.8162 576 -100.7592, -50.8388, 58.3800, 12.9456, -240.0001 577 271.4366, -25.3926, -113.4190, 151.0293, -70.2176 578 -162.7393, 145.6055, 91.1565, -208.0577, 255.9608						-140.2892,	
574 176. 7992, -81. 6962, -124. 8101, 264. 0067, -72. 0571 575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608						258. 5694,	
575 -96. 0692, 73. 1705, 10. 0675, -233. 8159, 325. 8162 576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608	573		<i>−</i> 7. 1583,	162. 0139,		-205.7218,	
576 -100. 7592, -50. 8388, 58. 3800, 12. 9456, -240. 0001 577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9608						-72. 0571,	
577 271. 4366, -25. 3926, -113. 4190, 151. 0293, -70. 2176 578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9605						325. 8162,	
578 -162. 7393, 145. 6055, 91. 1565, -208. 0577, 255. 9605							
579 -135. 1730, -110. 7341, 66. 2763, 133. 9512, -225. 9894						255. 9605,	
	579	−135 . 1730,	-110. 7341,	66. 2763,	133. 9512,	-225. 9894,	

```
97. 2483,
                     -90.7766,
580
       266.9209,
                                   -159.7280,
                                                                  62.7377,
581
      -147.3866,
                      180.8732,
                                     39. 7553,
                                                 -267.2602,
                                                                 180. 7845,
582
       -42.4286,
                     -64.4649,
                                     98.5444,
                                                  142.4843,
                                                                -318.6346,
583
       203.9264,
                     -67.1417,
                                    -80.0764,
                                                   111.0940,
                                                                 135. 5720,
584
      -253.6145,
                      125.0208,
                                     14.0774,
                                                 -193.4267,
                                                                 198. 1201,
585
        56.4800,
                    -134.2588,
                                     20.7699,
                                                   112.4594,
                                                                -298.9330,
586
       249. 5988,
587
    請按任意鍵繼續 . . .
588
589
     */
590
```