```csharp
 1  // .NET 8, Project Name : App_6J_1。
 2  //  J.L. Humar, "Dynamics of Structures"，第502-504頁。
 3  using Matrix_0;
 4
 5  double[,] M = { { 2, 0 }, { 0, 1 } };
 6  double[,] K = { { 3, -1 }, { -1, 1 } };
 7  double[,] C = { { 0.4, -0.05 }, { -0.05, 0.2 } };
 8  // t=0時，第0點和第1點，速度和位移之初始值。
 9  double[,] y0Start = { { 0 }, { 0 }, { 1 }, { 2 } };
10  ReMatrix y0 = new ReMatrix(y0Start);
11
12  MKCMatrix MKC = new MKCMatrix(M, K, C);
13  ReMatrix A = new ReMatrix(MKC.Matrix);
14
15  EIG eig = new EIG(A);
16  CxMatrix D = eig.CxMatrixD;
17  CxMatrix V = eig.CxVector;
18  CxMatrix Q = eig.CxMatrixQ;
19
20  CxHexp Hexp = new CxHexp(D, Q, 0);
21  CxMatrix MatTemp = Hexp.GetCxMatrix;
22  CxMatrix d = ~MatTemp * y0;
23
24  // 列印系統與狀態參數。
25  Console.Write("\n****{0,5}系{0,5}統{0,5}與{0,5}狀{0,5}態{0,5}參{0,5}↵
        數{0,5}****\n", "");
26
27  Console.Write("\n***{0,5}特徵值V{0,5}***\n{1}\n", "", new PR(V));
28  Console.Write("\n***{0,5}特徵向量矩陣Q{0,5}***\n{1}\n", "", new PR ↵
        (Q));
29  Console.Write("\n***{0,5}係數向量d{0,5}***\n{1}\n", "", new PR(d));
30
31  double step = 0.5;
32  int iRow = (int)(50 / step + 1);
33  int iCol = M.GetLength(1) + 1;
34  ReMatrix Disp = new ReMatrix(iRow, iCol);
35  ReMatrix Vel = new ReMatrix(iRow, iCol);
36  ReMatrix Acc = new ReMatrix(iRow, iCol);
37
38  for (int i = 0; i != iRow; i++)
39  {
40      double t = step * i;
41
42      Hexp = new CxHexp(D, Q, t);
43      MatTemp = Hexp.GetCxMatrix;
44      ReMatrix yh_Re = (ReMatrix)(MatTemp * d);
45      ReMatrix yhDot_Re = A * yh_Re;
```

```
46
47        Acc.Matrix[i, 0] = t;
48        Acc.Matrix[i, 1] = yhDot_Re.Matrix[0, 0];
49        Acc.Matrix[i, 2] = yhDot_Re.Matrix[1, 0];
50
51        Vel.Matrix[i, 0] = t;
52        Vel.Matrix[i, 1] = yh_Re.Matrix[0, 0];
53        Vel.Matrix[i, 2] = yh_Re.Matrix[1, 0];
54
55        Disp.Matrix[i, 0] = t;
56        Disp.Matrix[i, 1] = yh_Re.Matrix[2, 0];
57        Disp.Matrix[i, 2] = yh_Re.Matrix[3, 0];
58    }
59
60    // 列印標題。
61    Console.Write("\n****{0,10}狀{0,5}態{0,5}響{0,5}應{0,10}****\n",    ⤶
          "");
62
63    // 列印空間節點之狀態響應(變位，速度，和加速)。
64    Console.Write("\n{0,5}***位移反應量***{0,5}\n{0,8}時間(秒)" +
65        "{0,8}第0點位移{0,8}第1點位移\n\n{1}", "", new PR(Disp));
66    Console.Write("\n{0,5}***速度反應量***{0,5}\n{0,8}時間(秒)" +
67        "{0,8}第0點速度{0,8}第1點速度\n\n{1}", "", new PR(Vel));
68    Console.Write("\n***{0,5}加速度反應量{0,5}***\n{0,8}時間(秒)" +
69        "{0,8}第0點加速度{0,7}第1點加速度\n\n{1}", "", new PR(Acc));
70
71    // 列印時間、節點變位、速度、和加速度等序列。
72    Console.Write("\n時間序列\n{0}\n", new PR4(Disp, 0));
73    Console.Write("\n第0點變位序列\n{0}\n", new PR4(Disp, 1));
74    Console.Write("\n第1點變位序列\n{0}\n", new PR4(Disp, 2));
75    Console.Write("\n第0點速度序列\n{0}\n", new PR4(Vel, 1));
76    Console.Write("\n第1點速度序列\n{0}\n", new PR4(Vel, 2));
77    Console.Write("\n第0點加速度序列\n{0}\n", new PR4(Acc, 1));
78    Console.Write("\n第1點加速度序列\n{0}\n", new PR4(Acc, 2));
79    Console.Write("\n\n");
80
81    /*
82    ****   系    統    與    狀    態    參    數   ****
83
84    ***     特徵值V     ***
85       -0.11666 +   1.40933i
86       -0.11666 -   1.40933i
87       -0.08334 +   0.70221i
88       -0.08334 -   0.70221i
89
90    ***     特徵向量矩陣Q      ***
91       0.57745 +   0.00000i,   0.57745 +   0.00000i,
```

```
 92      0.25800 +    0.00000i,    0.25800 +    0.00000i
 93

 94     -0.57707 -    0.01365i,   -0.57707 +    0.01365i,
 95      0.51648 -    0.00609i,    0.51648 +    0.00609i
 96

 97     -0.03369 -    0.40695i,   -0.03369 +    0.40695i,
 98     -0.04300 -    0.36231i,   -0.04300 +    0.36231i
 99

100      0.02405 +    0.40748i,    0.02405 -    0.40748i,
101     -0.09463 -    0.72428i,   -0.09463 +    0.72428i
102

103  ***      係數向量d      ***
104      0.00484 +    0.00006i
105      0.00484 -    0.00006i
106     -0.01084 +    1.37914i
107     -0.01084 -    1.37914i
108

109  ****           狀     態     響     應           ****
110

111      ***位移反應量***
112      時間(秒)              第0點位移            第1點位移
113      0.00000              1.00000             2.00000
114      0.50000              0.93967             1.87981
115      1.00000              0.77181             1.54694
116      1.50000              0.52458             1.05825
117      2.00000              0.23388             0.48398
118      2.50000             -0.06169            -0.10150
119      3.00000             -0.32593            -0.62850
120      3.50000             -0.52952            -1.03960
121      4.00000             -0.65311            -1.29530
122      4.50000             -0.68877            -1.37729
123      5.00000             -0.63986            -1.28919
124      5.50000             -0.51942            -1.05458
125      6.00000             -0.34767            -0.71285
126      6.50000             -0.14893            -0.31328
127      7.00000              0.05142             0.09168
128      7.50000              0.22989             0.45312
129      8.00000              0.36732             0.73135
130      8.50000              0.45067             0.90002
131      9.00000              0.47413             0.94810
132      9.50000              0.43939             0.87986
133     10.00000              0.35495             0.71296
134     10.50000              0.23471             0.47520
135     11.00000              0.09592             0.20036
136     11.50000             -0.04325            -0.07622
137     12.00000             -0.16599            -0.32181
138     12.50000             -0.25890            -0.50987
```

139	13.00000	-0.31336	-0.62267
140	13.50000	-0.32611	-0.65268
141	14.00000	-0.29918	-0.60277
142	14.50000	-0.23909	-0.48509
143	15.00000	-0.15568	-0.31900
144	15.50000	-0.06063	-0.12814
145	16.00000	0.03398	0.06269
146	16.50000	0.11710	0.23071
147	17.00000	0.17986	0.35772
148	17.50000	0.21642	0.43194
149	18.00000	0.22445	0.44888
150	18.50000	0.20516	0.41122
151	19.00000	0.16294	0.32789
152	19.50000	0.10460	0.21245
153	20.00000	0.03842	0.08112
154	20.50000	-0.02705	-0.04933
155	21.00000	-0.08400	-0.16356
156	21.50000	-0.12632	-0.24936
157	22.00000	-0.15015	-0.29880
158	22.50000	-0.15422	-0.30886
159	23.00000	-0.13968	-0.28142
160	23.50000	-0.10980	-0.22269
161	24.00000	-0.06937	-0.14214
162	24.50000	-0.02398	-0.05110
163	25.00000	0.02061	0.03872
164	25.50000	0.05924	0.11672
165	26.00000	0.08782	0.17456
166	26.50000	0.10374	0.20699
167	27.00000	0.10610	0.21225
168	27.50000	0.09565	0.19191
169	28.00000	0.07464	0.15047
170	28.50000	0.04640	0.09452
171	29.00000	0.01488	0.03187
172	29.50000	-0.01588	-0.02957
173	30.00000	-0.04228	-0.08260
174	30.50000	-0.06150	-0.12164
175	31.00000	-0.07185	-0.14314
176	31.50000	-0.07284	-0.14595
177	32.00000	-0.06511	-0.13119
178	32.50000	-0.05031	-0.10201
179	33.00000	-0.03074	-0.06303
180	33.50000	-0.00911	-0.01966
181	34.00000	0.01188	0.02256
182	34.50000	0.02980	0.05872
183	35.00000	0.04277	0.08499
184	35.50000	0.04964	0.09905
185	36.00000	0.05008	0.10023

186	36.50000	0.04453	0.08942
187	37.00000	0.03412	0.06888
188	37.50000	0.02048	0.04183
189	38.00000	0.00548	0.01198
190	38.50000	−0.00896	−0.01691
191	39.00000	−0.02117	−0.04149
192	39.50000	−0.02988	−0.05919
193	40.00000	−0.03434	−0.06847
194	40.50000	−0.03436	−0.06887
195	41.00000	−0.03031	−0.06107
196	41.50000	−0.02299	−0.04663
197	42.00000	−0.01354	−0.02779
198	42.50000	−0.00324	−0.00716
199	43.00000	0.00662	0.01266
200	43.50000	0.01491	0.02940
201	44.00000	0.02078	0.04129
202	44.50000	0.02372	0.04733
203	45.00000	0.02361	0.04727
204	45.50000	0.02070	0.04160
205	46.00000	0.01556	0.03146
206	46.50000	0.00898	0.01840
207	47.00000	0.00186	0.00420
208	47.50000	−0.00491	−0.00936
209	48.00000	−0.01056	−0.02073
210	48.50000	−0.01449	−0.02874
211	49.00000	−0.01639	−0.03270
212	49.50000	−0.01619	−0.03246
213	50.00000	−0.01408	−0.02838
214			
215	***速度反應量***		
216	時間(秒)	第0點速度	第1點速度
217	0.00000	0.00000	0.00000
218	0.50000	−0.23583	−0.46888
219	1.00000	−0.42608	−0.84336
220	1.50000	−0.55070	−1.08768
221	2.00000	−0.59906	−1.18431
222	2.50000	−0.57099	−1.13411
223	3.00000	−0.47610	−0.95456
224	3.50000	−0.33176	−0.67657
225	4.00000	−0.15994	−0.34010
226	4.50000	0.01612	0.01084
227	5.00000	0.17508	0.33355
228	5.50000	0.29982	0.59156
229	6.00000	0.37898	0.75872
230	6.50000	0.40741	0.82185
231	7.00000	0.38608	0.78150
232	7.50000	0.32137	0.65088

233	8.00000	0.22395	0.45320
234	8.50000	0.10749	0.21780
235	9.00000	-0.01304	-0.02400
236	9.50000	-0.12303	-0.24297
237	10.00000	-0.21002	-0.41521
238	10.50000	-0.26511	-0.52442
239	11.00000	-0.28395	-0.56304
240	11.50000	-0.26705	-0.53225
241	12.00000	-0.21939	-0.44117
242	12.50000	-0.14936	-0.30512
243	13.00000	-0.06738	-0.14355
244	13.50000	0.01567	0.02252
245	14.00000	0.08983	0.17301
246	14.50000	0.14719	0.29115
247	15.00000	0.18252	0.36524
248	15.50000	0.19360	0.38981
249	16.00000	0.18112	0.36583
250	16.50000	0.14837	0.30011
251	17.00000	0.10070	0.20397
252	17.50000	0.04477	0.09143
253	18.00000	-0.01223	-0.02274
254	18.50000	-0.06344	-0.12486
255	19.00000	-0.10315	-0.20388
256	19.50000	-0.12740	-0.25241
257	20.00000	-0.13445	-0.26726
258	20.50000	-0.12479	-0.24937
259	21.00000	-0.10095	-0.20345
260	21.50000	-0.06701	-0.13708
261	22.00000	-0.02791	-0.05966
262	22.50000	0.01124	0.01879
263	23.00000	0.04580	0.08886
264	23.50000	0.07210	0.14284
265	24.00000	0.08776	0.17553
266	24.50000	0.09184	0.18467
267	25.00000	0.08480	0.17105
268	25.50000	0.06834	0.13814
269	26.00000	0.04509	0.09146
270	26.50000	0.01830	0.03771
271	27.00000	-0.00861	-0.01614
272	27.50000	-0.03241	-0.06369
273	28.00000	-0.05050	-0.09985
274	28.50000	-0.06113	-0.12129
275	29.00000	-0.06359	-0.12667
276	29.50000	-0.05825	-0.11665
277	30.00000	-0.04638	-0.09362
278	30.50000	-0.02995	-0.06133
279	31.00000	-0.01131	-0.02430

280	31.50000	0.00714	0.01269
281	32.00000	0.02321	0.04527
282	32.50000	0.03523	0.06988
283	33.00000	0.04212	0.08422
284	33.50000	0.04350	0.08738
285	34.00000	0.03963	0.07987
286	34.50000	0.03140	0.06346
287	35.00000	0.02010	0.04084
288	35.50000	0.00729	0.01519
289	36.00000	−0.00538	−0.01018
290	36.50000	−0.01643	−0.03228
291	37.00000	−0.02466	−0.04878
292	37.50000	−0.02929	−0.05818
293	38.00000	−0.03005	−0.05995
294	38.50000	−0.02716	−0.05447
295	39.00000	−0.02127	−0.04299
296	39.50000	−0.01332	−0.02731
297	40.00000	−0.00444	−0.00964
298	40.50000	0.00424	0.00779
299	41.00000	0.01170	0.02291
300	41.50000	0.01718	0.03410
301	42.00000	0.02019	0.04035
302	42.50000	0.02057	0.04129
303	43.00000	0.01849	0.03725
304	43.50000	0.01439	0.02910
305	44.00000	0.00891	0.01815
306	44.50000	0.00280	0.00593
307	45.00000	−0.00316	−0.00601
308	45.50000	−0.00828	−0.01627
309	46.00000	−0.01201	−0.02378
310	46.50000	−0.01401	−0.02787
311	47.00000	−0.01418	−0.02833
312	47.50000	−0.01265	−0.02540
313	48.00000	−0.00973	−0.01969
314	48.50000	−0.00589	−0.01210
315	49.00000	−0.00167	−0.00368
316	49.50000	0.00241	0.00452
317	50.00000	0.00587	0.01152
318			
319	*** 加速度反應量	***	
320	時間(秒)	第0點加速度	第1點加速度
321	0.00000	−0.50000	−1.00000
322	0.50000	−0.43415	−0.85816
323	1.00000	−0.32011	−0.62777
324	1.50000	−0.17479	−0.34367
325	2.00000	−0.01862	−0.04319
326	2.50000	0.12763	0.23808

327	3.00000	0.24601	0.46967
328	3.50000	0.32393	0.62880
329	4.00000	0.35550	0.70221
330	4.50000	0.34155	0.68716
331	5.00000	0.28851	0.59138
332	5.50000	0.20667	0.43184
333	6.00000	0.10825	0.23239
334	6.50000	0.00582	0.02035
335	7.00000	−0.08897	−0.17726
336	7.50000	−0.16629	−0.33733
337	8.00000	−0.21877	−0.44347
338	8.50000	−0.24204	−0.48754
339	9.00000	−0.23514	−0.46982
340	9.50000	−0.20063	−0.39802
341	10.00000	−0.14433	−0.28547
342	10.50000	−0.07456	−0.14886
343	11.00000	−0.00098	−0.00603
344	11.50000	0.06687	0.12607
345	12.00000	0.12093	0.23309
346	12.50000	0.15566	0.30453
347	13.00000	0.16859	0.33466
348	13.50000	0.16025	0.32285
349	14.00000	0.13375	0.27348
350	14.50000	0.09393	0.19513
351	15.00000	0.04665	0.09940
352	15.50000	−0.00210	−0.00077
353	16.00000	−0.04670	−0.09282
354	16.50000	−0.08247	−0.16621
355	17.00000	−0.10597	−0.21362
356	17.50000	−0.11533	−0.23157
357	18.00000	−0.11036	−0.22049
358	18.50000	−0.09256	−0.18426
359	19.00000	−0.06493	−0.12934
360	19.50000	−0.03151	−0.06374
361	20.00000	0.00315	0.00402
362	20.50000	0.03464	0.06591
363	21.00000	0.05933	0.11521
364	21.50000	0.07477	0.14711
365	22.00000	0.07992	0.15918
366	22.50000	0.07512	0.15144
367	23.00000	0.06188	0.12625
368	23.50000	0.04251	0.08792
369	24.00000	0.01982	0.04206
370	24.50000	−0.00333	−0.00522
371	25.00000	−0.02424	−0.04808
372	25.50000	−0.04072	−0.08169
373	26.00000	−0.05118	−0.10278

374	26.50000	−0.05483	−0.10988
375	27.00000	−0.05171	−0.10335
376	27.50000	−0.04264	−0.08514
377	28.00000	−0.02913	−0.05838
378	28.50000	−0.01315	−0.02692
379	29.00000	0.00316	0.00517
380	29.50000	0.01778	0.03410
381	30.00000	0.02905	0.05673
382	30.50000	0.03589	0.07091
383	31.00000	0.03786	0.07559
384	31.50000	0.03517	0.07093
385	32.00000	0.02856	0.05818
386	32.50000	0.01915	0.03949
387	33.00000	0.00828	0.01755
388	33.50000	−0.00269	−0.00474
389	34.00000	−0.01247	−0.02468
390	34.50000	−0.02003	−0.04005
391	35.00000	−0.02465	−0.04938
392	35.50000	−0.02602	−0.05208
393	36.00000	−0.02418	−0.04838
394	36.50000	−0.01961	−0.03926
395	37.00000	−0.01303	−0.02624
396	37.50000	−0.00540	−0.01118
397	38.00000	0.00228	0.00399
398	38.50000	0.00906	0.01748
399	39.00000	0.01419	0.02785
400	39.50000	0.01721	0.03411
401	40.00000	0.01792	0.03583
402	40.50000	0.01645	0.03317
403	41.00000	0.01316	0.02677
404	41.50000	0.00859	0.01767
405	42.00000	0.00338	0.00719
406	42.50000	−0.00180	−0.00331
407	43.00000	−0.00636	−0.01257
408	43.50000	−0.00982	−0.01959
409	44.00000	−0.01185	−0.02370
410	44.50000	−0.01232	−0.02466
411	45.00000	−0.01129	−0.02262
412	45.50000	−0.00900	−0.01806
413	46.00000	−0.00580	−0.01174
414	46.50000	−0.00217	−0.00454
415	47.00000	0.00144	0.00262
416	47.50000	0.00458	0.00890
417	48.00000	0.00692	0.01363
418	48.50000	0.00824	0.01637
419	49.00000	0.00847	0.01696
420	49.50000	0.00768	0.01549

```
421        50.00000              0.00605              0.01229
422
423   時間序列
424     0.0000,     0.5000,     1.0000,     1.5000,     2.0000,
425     2.5000,     3.0000,     3.5000,     4.0000,     4.5000,
426     5.0000,     5.5000,     6.0000,     6.5000,     7.0000,
427     7.5000,     8.0000,     8.5000,     9.0000,     9.5000,
428    10.0000,    10.5000,    11.0000,    11.5000,    12.0000,
429    12.5000,    13.0000,    13.5000,    14.0000,    14.5000,
430    15.0000,    15.5000,    16.0000,    16.5000,    17.0000,
431    17.5000,    18.0000,    18.5000,    19.0000,    19.5000,
432    20.0000,    20.5000,    21.0000,    21.5000,    22.0000,
433    22.5000,    23.0000,    23.5000,    24.0000,    24.5000,
434    25.0000,    25.5000,    26.0000,    26.5000,    27.0000,
435    27.5000,    28.0000,    28.5000,    29.0000,    29.5000,
436    30.0000,    30.5000,    31.0000,    31.5000,    32.0000,
437    32.5000,    33.0000,    33.5000,    34.0000,    34.5000,
438    35.0000,    35.5000,    36.0000,    36.5000,    37.0000,
439    37.5000,    38.0000,    38.5000,    39.0000,    39.5000,
440    40.0000,    40.5000,    41.0000,    41.5000,    42.0000,
441    42.5000,    43.0000,    43.5000,    44.0000,    44.5000,
442    45.0000,    45.5000,    46.0000,    46.5000,    47.0000,
443    47.5000,    48.0000,    48.5000,    49.0000,    49.5000,
444    50.0000,
445
446   第0點變位序列
447     1.0000,     0.9397,     0.7718,     0.5246,     0.2339,
448    -0.0617,    -0.3259,    -0.5295,    -0.6531,    -0.6888,
449    -0.6399,    -0.5194,    -0.3477,    -0.1489,     0.0514,
450     0.2299,     0.3673,     0.4507,     0.4741,     0.4394,
451     0.3550,     0.2347,     0.0959,    -0.0433,    -0.1660,
452    -0.2589,    -0.3134,    -0.3261,    -0.2992,    -0.2391,
453    -0.1557,    -0.0606,     0.0340,     0.1171,     0.1799,
454     0.2164,     0.2245,     0.2052,     0.1629,     0.1046,
455     0.0384,    -0.0271,    -0.0840,    -0.1263,    -0.1502,
456    -0.1542,    -0.1397,    -0.1098,    -0.0694,    -0.0240,
457     0.0206,     0.0592,     0.0878,     0.1037,     0.1061,
458     0.0957,     0.0746,     0.0464,     0.0149,    -0.0159,
459    -0.0423,    -0.0615,    -0.0719,    -0.0728,    -0.0651,
460    -0.0503,    -0.0307,    -0.0091,     0.0119,     0.0298,
461     0.0428,     0.0496,     0.0501,     0.0445,     0.0341,
462     0.0205,     0.0055,    -0.0090,    -0.0212,    -0.0299,
463    -0.0343,    -0.0344,    -0.0303,    -0.0230,    -0.0135,
464    -0.0032,     0.0066,     0.0149,     0.0208,     0.0237,
465     0.0236,     0.0207,     0.0156,     0.0090,     0.0019,
466    -0.0049,    -0.0106,    -0.0145,    -0.0164,    -0.0162,
467    -0.0141,
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468
469  第1點變位序列
470     2.0000,    1.8798,    1.5469,    1.0582,    0.4840,
471    -0.1015,   -0.6285,   -1.0396,   -1.2953,   -1.3773,
472    -1.2892,   -1.0546,   -0.7129,   -0.3133,    0.0917,
473     0.4531,    0.7314,    0.9000,    0.9481,    0.8799,
474     0.7130,    0.4752,    0.2004,   -0.0762,   -0.3218,
475    -0.5099,   -0.6227,   -0.6527,   -0.6028,   -0.4851,
476    -0.3190,   -0.1281,    0.0627,    0.2307,    0.3577,
477     0.4319,    0.4489,    0.4112,    0.3279,    0.2125,
478     0.0811,   -0.0493,   -0.1636,   -0.2494,   -0.2988,
479    -0.3089,   -0.2814,   -0.2227,   -0.1421,   -0.0511,
480     0.0387,    0.1167,    0.1746,    0.2070,    0.2122,
481     0.1919,    0.1505,    0.0945,    0.0319,   -0.0296,
482    -0.0826,   -0.1216,   -0.1431,   -0.1459,   -0.1312,
483    -0.1020,   -0.0630,   -0.0197,    0.0226,    0.0587,
484     0.0850,    0.0991,    0.1002,    0.0894,    0.0689,
485     0.0418,    0.0120,   -0.0169,   -0.0415,   -0.0592,
486    -0.0685,   -0.0689,   -0.0611,   -0.0466,   -0.0278,
487    -0.0072,    0.0127,    0.0294,    0.0413,    0.0473,
488     0.0473,    0.0416,    0.0315,    0.0184,    0.0042,
489    -0.0094,   -0.0207,   -0.0287,   -0.0327,   -0.0325,
490    -0.0284,
491
492  第0點速度序列
493     0.0000,   -0.2358,   -0.4261,   -0.5507,   -0.5991,
494    -0.5710,   -0.4761,   -0.3318,   -0.1599,    0.0161,
495     0.1751,    0.2998,    0.3790,    0.4074,    0.3861,
496     0.3214,    0.2240,    0.1075,   -0.0130,   -0.1230,
497    -0.2100,   -0.2651,   -0.2839,   -0.2671,   -0.2194,
498    -0.1494,   -0.0674,    0.0157,    0.0898,    0.1472,
499     0.1825,    0.1936,    0.1811,    0.1484,    0.1007,
500     0.0448,   -0.0122,   -0.0634,   -0.1031,   -0.1274,
501    -0.1344,   -0.1248,   -0.1010,   -0.0670,   -0.0279,
502     0.0112,    0.0458,    0.0721,    0.0878,    0.0918,
503     0.0848,    0.0683,    0.0451,    0.0183,   -0.0086,
504    -0.0324,   -0.0505,   -0.0611,   -0.0636,   -0.0583,
505    -0.0464,   -0.0299,   -0.0113,    0.0071,    0.0232,
506     0.0352,    0.0421,    0.0435,    0.0396,    0.0314,
507     0.0201,    0.0073,   -0.0054,   -0.0164,   -0.0247,
508    -0.0293,   -0.0300,   -0.0272,   -0.0213,   -0.0133,
509    -0.0044,    0.0042,    0.0117,    0.0172,    0.0202,
510     0.0206,    0.0185,    0.0144,    0.0089,    0.0028,
511    -0.0032,   -0.0083,   -0.0120,   -0.0140,   -0.0142,
512    -0.0126,   -0.0097,   -0.0059,   -0.0017,    0.0024,
513     0.0059,
514
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515    第1點速度序列
516      0.0000,   -0.4689,   -0.8434,   -1.0877,   -1.1843,
517     -1.1341,   -0.9546,   -0.6766,   -0.3401,    0.0108,
518      0.3336,    0.5916,    0.7587,    0.8218,    0.7815,
519      0.6509,    0.4532,    0.2178,   -0.0240,   -0.2430,
520     -0.4152,   -0.5244,   -0.5630,   -0.5323,   -0.4412,
521     -0.3051,   -0.1436,    0.0225,    0.1730,    0.2911,
522      0.3652,    0.3898,    0.3658,    0.3001,    0.2040,
523      0.0914,   -0.0227,   -0.1249,   -0.2039,   -0.2524,
524     -0.2673,   -0.2494,   -0.2035,   -0.1371,   -0.0597,
525      0.0188,    0.0889,    0.1428,    0.1755,    0.1847,
526      0.1710,    0.1381,    0.0915,    0.0377,   -0.0161,
527     -0.0637,   -0.0999,   -0.1213,   -0.1267,   -0.1166,
528     -0.0936,   -0.0613,   -0.0243,    0.0127,    0.0453,
529      0.0699,    0.0842,    0.0874,    0.0799,    0.0635,
530      0.0408,    0.0152,   -0.0102,   -0.0323,   -0.0488,
531     -0.0582,   -0.0599,   -0.0545,   -0.0430,   -0.0273,
532     -0.0096,    0.0078,    0.0229,    0.0341,    0.0403,
533      0.0413,    0.0372,    0.0291,    0.0181,    0.0059,
534     -0.0060,   -0.0163,   -0.0238,   -0.0279,   -0.0283,
535     -0.0254,   -0.0197,   -0.0121,   -0.0037,    0.0045,
536      0.0115,
537
538    第0點加速度序列
539     -0.5000,   -0.4341,   -0.3201,   -0.1748,   -0.0186,
540      0.1276,    0.2460,    0.3239,    0.3555,    0.3416,
541      0.2885,    0.2067,    0.1082,    0.0058,   -0.0890,
542     -0.1663,   -0.2188,   -0.2420,   -0.2351,   -0.2006,
543     -0.1443,   -0.0746,   -0.0010,    0.0669,    0.1209,
544      0.1557,    0.1686,    0.1603,    0.1337,    0.0939,
545      0.0466,   -0.0021,   -0.0467,   -0.0825,   -0.1060,
546     -0.1153,   -0.1104,   -0.0926,   -0.0649,   -0.0315,
547      0.0031,    0.0346,    0.0593,    0.0748,    0.0799,
548      0.0751,    0.0619,    0.0425,    0.0198,   -0.0033,
549     -0.0242,   -0.0407,   -0.0512,   -0.0548,   -0.0517,
550     -0.0426,   -0.0291,   -0.0131,    0.0032,    0.0178,
551      0.0290,    0.0359,    0.0379,    0.0352,    0.0286,
552      0.0192,    0.0083,   -0.0027,   -0.0125,   -0.0200,
553     -0.0247,   -0.0260,   -0.0242,   -0.0196,   -0.0130,
554     -0.0054,    0.0023,    0.0091,    0.0142,    0.0172,
555      0.0179,    0.0164,    0.0132,    0.0086,    0.0034,
556     -0.0018,   -0.0064,   -0.0098,   -0.0118,   -0.0123,
557     -0.0113,   -0.0090,   -0.0058,   -0.0022,    0.0014,
558      0.0046,    0.0069,    0.0082,    0.0085,    0.0077,
559      0.0060,
560
561    第1點加速度序列
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562      -1.0000,    -0.8582,    -0.6278,    -0.3437,    -0.0432,
563       0.2381,     0.4697,     0.6288,     0.7022,     0.6872,
564       0.5914,     0.4318,     0.2324,     0.0203,    -0.1773,
565      -0.3373,    -0.4435,    -0.4875,    -0.4698,    -0.3980,
566      -0.2855,    -0.1489,    -0.0060,     0.1261,     0.2331,
567       0.3045,     0.3347,     0.3229,     0.2735,     0.1951,
568       0.0994,    -0.0008,    -0.0928,    -0.1662,    -0.2136,
569      -0.2316,    -0.2205,    -0.1843,    -0.1293,    -0.0637,
570       0.0040,     0.0659,     0.1152,     0.1471,     0.1592,
571       0.1514,     0.1263,     0.0879,     0.0421,    -0.0052,
572      -0.0481,    -0.0817,    -0.1028,    -0.1099,    -0.1034,
573      -0.0851,    -0.0584,    -0.0269,     0.0052,     0.0341,
574       0.0567,     0.0709,     0.0756,     0.0709,     0.0582,
575       0.0395,     0.0176,    -0.0047,    -0.0247,    -0.0400,
576      -0.0494,    -0.0521,    -0.0484,    -0.0393,    -0.0262,
577      -0.0112,     0.0040,     0.0175,     0.0278,     0.0341,
578       0.0358,     0.0332,     0.0268,     0.0177,     0.0072,
579      -0.0033,    -0.0126,    -0.0196,    -0.0237,    -0.0247,
580      -0.0226,    -0.0181,    -0.0117,    -0.0045,     0.0026,
581       0.0089,     0.0136,     0.0164,     0.0170,     0.0155,
582       0.0123,

請按任意鍵繼續 . . .
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