

```
1 using System;
2 using Matrix_0;
3
4 namespace ConsoleApp6P
5 {
6     internal class Program
7     {
8         static void Main(string[] args)
9         {
10
11 double[,] M = {{2, 0}, {0, 1}};
12 double[,] C = {{0.4, -0.05}, {-0.05, 0.2}};
13 double[,] K = {{3, -1}, {-1, 1}};
14
15 double[,] B0 = {{5, 0, -1, 0}, {0, 0, 1, 1}};
16 double[,] B1 = {{0, -0.5, 0, -1}, {0, 0, 0, 1}};
17 double[,] B2 = {{-0.05, 0, 0, 0}, {0, 0, 0, 0}};
18
19 double step = 0.5;
20 int iRow = (int)(50 / step + 1);
21 int iCol = M.GetLength(1) + 1;
22
23 // 建構Ft、Disp、Vel、和 Acc 矩陣。
24 ReMatrix Ft = new ReMatrix(iRow, iCol);
25 ReMatrix Disp = new ReMatrix(iRow, iCol);
26 ReMatrix Vel = new ReMatrix(iRow, iCol);
27 ReMatrix Acc = new ReMatrix(iRow, iCol);
28
29 // 將計算的結果存入Ft、Disp、Vel、和 Acc 的矩陣中。
30 for (int i = 0; i != iRow; i++)
31 {
32     double t = step * i;
33     // 周期 T = 2秒。
34     Remainder rem = new Remainder(t, 2);
35     double tr = rem.Value;
36
37     double p0 = Math.Cos(0.1 * tr);
38     double p1 = Math.Sin(0.1 * tr);
39     double p2 = tr;
40     double p3 = 1;
41     double[,] Ut = {{p0}, {p1}, {p2}, {p3}};
42
43     ReMatrix Bf = (ReMatrix)M * B2 + (ReMatrix)C * B1
44         + (ReMatrix)K * B0;
45     ReMatrix ft = Bf * Ut;
```

```

46     Ft.Matrix[i, 0] = t;
47     Ft.Matrix[i, 1] = ft.Matrix[0, 0];
48     Ft.Matrix[i, 2] = ft.Matrix[1, 0];
49
50     double[,] Y = (ReMatrix)B0 * Ut;
51     double[,] Ydot = (ReMatrix)B1 * Ut;
52     double[,] Yddot = (ReMatrix)B2 * Ut;
53
54     Acc.Matrix[i, 0] = t;
55     Acc.Matrix[i, 1] = Ydot[0, 0];
56     Acc.Matrix[i, 2] = Yddot[1, 0];
57
58     Vel.Matrix[i, 0] = t;
59     Vel.Matrix[i, 1] = Ydot[0, 0];
60     Vel.Matrix[i, 2] = Ydot[1, 0];
61
62     Disp.Matrix[i, 0] = t;
63     Disp.Matrix[i, 1] = Y[0, 0];
64     Disp.Matrix[i, 2] = Y[1, 0];
65
66 }
67
68 // 特別解(Particular Solution)的部分
69 // 列印Ft之外力(Exciting Action)
70 Console.Write(" ***** 外力Ft其週期是2秒 : *****\n");
71 Console.Write("          時間(秒)          第0點          第1點\n");
72
73 Console.Write(new PR(Ft));
74 // 列印時間、第0點、和第1點外力
75 Console.Write("\n時間序列\n{0}", new PR4(Ft, 0));
76 Console.Write("\n第0點外力序列\n{0}", new PR4(Ft, 1));
77 Console.Write("\n第1點外力序列\n{0}\n", new PR4(Ft, 2));
78
79 Console.Write(" #####" +
80 "#####\n");
81
82 // 列印空間節點之響應(變位, 速度, 和加速)。
83 Console.Write("\n{0,5}***位移反應量***{0,5}\n{0,8}時間(秒)" +
84 " {0,8}第0點位移{0,8}第1點位移\n\n{1}", "", new PR(Disp));
85 Console.Write("\n{0,5}***速度反應量***{0,5}\n{0,8}時間(秒)" +
86 " {0,8}第0點速度{0,8}第1點速度\n\n{1}", "", new PR(Vel));
87 Console.Write("\n***{0,5}加速度反應量{0,5}***\n{0,8}時間(秒)" +
88 " {0,8}第0點加速度{0,7}第1點加速度\n\n{1}", "", new PR(Acc));

```

```

89
90 // 列印時間、節點變位、速度、和加速度等序列。
91 Console.Write("\n時間序列\n{0}\n", new PR4(Disp, 0));
92 Console.Write("\n第0點變位序列\n{0}\n", new PR4(Disp, 1));
93 Console.Write("\n第1點變位序列\n{0}\n", new PR4(Disp, 2));
94 Console.Write("\n第0點速度序列\n{0}\n", new PR4(Vel, 1));
95 Console.Write("\n第1點速度序列\n{0}\n", new PR4(Vel, 2));
96 Console.Write("\n第0點加速度序列\n{0}\n", new PR4(Acc, 1));
97 Console.Write("\n第1點加速度序列\n{0}\n", new PR4(Acc, 2));
98 Console.Write("\n\n");
99
100     }
101 }
102 }
103 /*
104     ***** 外力Ft其週期是2秒 : *****
105
106         時間(秒)           第0點           第1點
107
108         0.00000           13.45000           -3.75000
109
110         0.50000           11.42138           -2.74250
111
112         1.00000           9.35560            -1.72252
113
114         1.50000           7.25280            -0.69012
115
116         2.00000           5.11326             0.35463
117
118         2.50000           11.42138           -2.74250
119
120         3.00000           9.35560            -1.72252
121
122         3.50000           7.25280            -0.69012
123
124         4.00000           13.45000           -3.75000
125
126         4.50000           11.42138           -2.74250
127
128         5.00000           9.35560            -1.72252
129
130         5.50000           7.25280            -0.69012
131
132         6.00000           13.45000           -3.75000
133

```

| | | | |
|-----|----------|----------|----------|
| 134 | 6.50000 | 11.42138 | -2.74250 |
| 135 | | | |
| 136 | 7.00000 | 9.35560 | -1.72252 |
| 137 | | | |
| 138 | 7.50000 | 7.25280 | -0.69012 |
| 139 | | | |
| 140 | 8.00000 | 13.45000 | -3.75000 |
| 141 | | | |
| 142 | 8.50000 | 11.42138 | -2.74250 |
| 143 | | | |
| 144 | 9.00000 | 9.35560 | -1.72252 |
| 145 | | | |
| 146 | 9.50000 | 7.25280 | -0.69012 |
| 147 | | | |
| 148 | 10.00000 | 13.45000 | -3.75000 |
| 149 | | | |
| 150 | 10.50000 | 11.42138 | -2.74250 |
| 151 | | | |
| 152 | 11.00000 | 9.35560 | -1.72252 |
| 153 | | | |
| 154 | 11.50000 | 7.25280 | -0.69012 |
| 155 | | | |
| 156 | 12.00000 | 13.45000 | -3.75000 |
| 157 | | | |
| 158 | 12.50000 | 11.42138 | -2.74250 |
| 159 | | | |
| 160 | 13.00000 | 9.35560 | -1.72252 |
| 161 | | | |
| 162 | 13.50000 | 7.25280 | -0.69012 |
| 163 | | | |
| 164 | 14.00000 | 13.45000 | -3.75000 |
| 165 | | | |
| 166 | 14.50000 | 11.42138 | -2.74250 |
| 167 | | | |
| 168 | 15.00000 | 9.35560 | -1.72252 |
| 169 | | | |
| 170 | 15.50000 | 7.25280 | -0.69012 |
| 171 | | | |
| 172 | 16.00000 | 13.45000 | -3.75000 |
| 173 | | | |
| 174 | 16.50000 | 11.42138 | -2.74250 |
| 175 | | | |
| 176 | 17.00000 | 9.35560 | -1.72252 |
| 177 | | | |
| 178 | 17.50000 | 7.25280 | -0.69012 |

| | | | |
|-----|----------|----------|----------|
| 179 | | | |
| 180 | 18.00000 | 13.45000 | -3.75000 |
| 181 | | | |
| 182 | 18.50000 | 11.42138 | -2.74250 |
| 183 | | | |
| 184 | 19.00000 | 9.35560 | -1.72252 |
| 185 | | | |
| 186 | 19.50000 | 7.25280 | -0.69012 |
| 187 | | | |
| 188 | 20.00000 | 13.45000 | -3.75000 |
| 189 | | | |
| 190 | 20.50000 | 11.42138 | -2.74250 |
| 191 | | | |
| 192 | 21.00000 | 9.35560 | -1.72252 |
| 193 | | | |
| 194 | 21.50000 | 7.25280 | -0.69012 |
| 195 | | | |
| 196 | 22.00000 | 13.45000 | -3.75000 |
| 197 | | | |
| 198 | 22.50000 | 11.42138 | -2.74250 |
| 199 | | | |
| 200 | 23.00000 | 9.35560 | -1.72252 |
| 201 | | | |
| 202 | 23.50000 | 7.25280 | -0.69012 |
| 203 | | | |
| 204 | 24.00000 | 13.45000 | -3.75000 |
| 205 | | | |
| 206 | 24.50000 | 11.42138 | -2.74250 |
| 207 | | | |
| 208 | 25.00000 | 9.35560 | -1.72252 |
| 209 | | | |
| 210 | 25.50000 | 7.25280 | -0.69012 |
| 211 | | | |
| 212 | 26.00000 | 13.45000 | -3.75000 |
| 213 | | | |
| 214 | 26.50000 | 11.42138 | -2.74250 |
| 215 | | | |
| 216 | 27.00000 | 9.35560 | -1.72252 |
| 217 | | | |
| 218 | 27.50000 | 7.25280 | -0.69012 |
| 219 | | | |
| 220 | 28.00000 | 13.45000 | -3.75000 |
| 221 | | | |
| 222 | 28.50000 | 11.42138 | -2.74250 |
| 223 | | | |

| | | | |
|-----|----------|----------|----------|
| 224 | 29.00000 | 9.35560 | -1.72252 |
| 225 | | | |
| 226 | 29.50000 | 7.25280 | -0.69012 |
| 227 | | | |
| 228 | 30.00000 | 13.45000 | -3.75000 |
| 229 | | | |
| 230 | 30.50000 | 11.42138 | -2.74250 |
| 231 | | | |
| 232 | 31.00000 | 9.35560 | -1.72252 |
| 233 | | | |
| 234 | 31.50000 | 7.25280 | -0.69012 |
| 235 | | | |
| 236 | 32.00000 | 13.45000 | -3.75000 |
| 237 | | | |
| 238 | 32.50000 | 11.42138 | -2.74250 |
| 239 | | | |
| 240 | 33.00000 | 9.35560 | -1.72252 |
| 241 | | | |
| 242 | 33.50000 | 7.25280 | -0.69012 |
| 243 | | | |
| 244 | 34.00000 | 13.45000 | -3.75000 |
| 245 | | | |
| 246 | 34.50000 | 11.42138 | -2.74250 |
| 247 | | | |
| 248 | 35.00000 | 9.35560 | -1.72252 |
| 249 | | | |
| 250 | 35.50000 | 7.25280 | -0.69012 |
| 251 | | | |
| 252 | 36.00000 | 13.45000 | -3.75000 |
| 253 | | | |
| 254 | 36.50000 | 11.42138 | -2.74250 |
| 255 | | | |
| 256 | 37.00000 | 9.35560 | -1.72252 |
| 257 | | | |
| 258 | 37.50000 | 7.25280 | -0.69012 |
| 259 | | | |
| 260 | 38.00000 | 13.45000 | -3.75000 |
| 261 | | | |
| 262 | 38.50000 | 11.42138 | -2.74250 |
| 263 | | | |
| 264 | 39.00000 | 9.35560 | -1.72252 |
| 265 | | | |
| 266 | 39.50000 | 7.25280 | -0.69012 |
| 267 | | | |
| 268 | 40.00000 | 13.45000 | -3.75000 |

| | | | | |
|-----|----------|----------|----------|---|
| 269 | | | | |
| 270 | 40.50000 | 11.42138 | -2.74250 | |
| 271 | | | | |
| 272 | 41.00000 | 9.35560 | -1.72252 | |
| 273 | | | | |
| 274 | 41.50000 | 7.25280 | -0.69012 | |
| 275 | | | | |
| 276 | 42.00000 | 13.45000 | -3.75000 | |
| 277 | | | | |
| 278 | 42.50000 | 11.42138 | -2.74250 | |
| 279 | | | | |
| 280 | 43.00000 | 9.35560 | -1.72252 | |
| 281 | | | | |
| 282 | 43.50000 | 7.25280 | -0.69012 | |
| 283 | | | | |
| 284 | 44.00000 | 13.45000 | -3.75000 | |
| 285 | | | | |
| 286 | 44.50000 | 11.42138 | -2.74250 | |
| 287 | | | | |
| 288 | 45.00000 | 9.35560 | -1.72252 | |
| 289 | | | | |
| 290 | 45.50000 | 7.25280 | -0.69012 | |
| 291 | | | | |
| 292 | 46.00000 | 13.45000 | -3.75000 | |
| 293 | | | | |
| 294 | 46.50000 | 11.42138 | -2.74250 | |
| 295 | | | | |
| 296 | 47.00000 | 9.35560 | -1.72252 | |
| 297 | | | | |
| 298 | 47.50000 | 7.25280 | -0.69012 | |
| 299 | | | | |
| 300 | 48.00000 | 13.45000 | -3.75000 | |
| 301 | | | | |
| 302 | 48.50000 | 11.42138 | -2.74250 | |
| 303 | | | | |
| 304 | 49.00000 | 9.35560 | -1.72252 | |
| 305 | | | | |
| 306 | 49.50000 | 7.25280 | -0.69012 | |
| 307 | | | | |
| 308 | 50.00000 | 13.45000 | -3.75000 | |
| 309 | | | | |
| 310 | | | | |
| 311 | | | | |
| 312 | 時間序列 | | | |
| 313 | 0.0000, | 0.5000, | 1.0000, | 1.5000,  |

| | | | | | |
|-----|-----------|-----------|-----------|-----------|---|
| | | 2. 0000, | | | |
| 314 | 2. 5000, | 3. 0000, | 3. 5000, | 4. 0000, | ↗ |
| | 4. 5000, | | | | |
| 315 | 5. 0000, | 5. 5000, | 6. 0000, | 6. 5000, | ↗ |
| | 7. 0000, | | | | |
| 316 | 7. 5000, | 8. 0000, | 8. 5000, | 9. 0000, | ↗ |
| | 9. 5000, | | | | |
| 317 | 10. 0000, | 10. 5000, | 11. 0000, | 11. 5000, | ↗ |
| | 12. 0000, | | | | |
| 318 | 12. 5000, | 13. 0000, | 13. 5000, | 14. 0000, | ↗ |
| | 14. 5000, | | | | |
| 319 | 15. 0000, | 15. 5000, | 16. 0000, | 16. 5000, | ↗ |
| | 17. 0000, | | | | |
| 320 | 17. 5000, | 18. 0000, | 18. 5000, | 19. 0000, | ↗ |
| | 19. 5000, | | | | |
| 321 | 20. 0000, | 20. 5000, | 21. 0000, | 21. 5000, | ↗ |
| | 22. 0000, | | | | |
| 322 | 22. 5000, | 23. 0000, | 23. 5000, | 24. 0000, | ↗ |
| | 24. 5000, | | | | |
| 323 | 25. 0000, | 25. 5000, | 26. 0000, | 26. 5000, | ↗ |
| | 27. 0000, | | | | |
| 324 | 27. 5000, | 28. 0000, | 28. 5000, | 29. 0000, | ↗ |
| | 29. 5000, | | | | |
| 325 | 30. 0000, | 30. 5000, | 31. 0000, | 31. 5000, | ↗ |
| | 32. 0000, | | | | |
| 326 | 32. 5000, | 33. 0000, | 33. 5000, | 34. 0000, | ↗ |
| | 34. 5000, | | | | |
| 327 | 35. 0000, | 35. 5000, | 36. 0000, | 36. 5000, | ↗ |
| | 37. 0000, | | | | |
| 328 | 37. 5000, | 38. 0000, | 38. 5000, | 39. 0000, | ↗ |
| | 39. 5000, | | | | |
| 329 | 40. 0000, | 40. 5000, | 41. 0000, | 41. 5000, | ↗ |
| | 42. 0000, | | | | |
| 330 | 42. 5000, | 43. 0000, | 43. 5000, | 44. 0000, | ↗ |
| | 44. 5000, | | | | |
| 331 | 45. 0000, | 45. 5000, | 46. 0000, | 46. 5000, | ↗ |
| | 47. 0000, | | | | |
| 332 | 47. 5000, | 48. 0000, | 48. 5000, | 49. 0000, | ↗ |
| | 49. 5000, | | | | |
| 333 | 50. 0000, | | | | |
| 334 | | | | | |
| 335 | 第0點外力序列 | | | | |
| 336 | 13. 4500, | 11. 4214, | 9. 3556, | 7. 2528, | ↗ |
| | 5. 1133, | | | | |
| 337 | 11. 4214, | 9. 3556, | 7. 2528, | 13. 4500, | ↗ |

| | | | | | |
|-----|-----------|-----------|-----------|-----------|---|
| | 11. 4214, | | | | |
| 338 | 9. 3556, | 7. 2528, | 13. 4500, | 11. 4214, | ↻ |
| | 9. 3556, | | | | |
| 339 | 7. 2528, | 13. 4500, | 11. 4214, | 9. 3556, | ↻ |
| | 7. 2528, | | | | |
| 340 | 13. 4500, | 11. 4214, | 9. 3556, | 7. 2528, | ↻ |
| | 13. 4500, | | | | |
| 341 | 11. 4214, | 9. 3556, | 7. 2528, | 13. 4500, | ↻ |
| | 11. 4214, | | | | |
| 342 | 9. 3556, | 7. 2528, | 13. 4500, | 11. 4214, | ↻ |
| | 9. 3556, | | | | |
| 343 | 7. 2528, | 13. 4500, | 11. 4214, | 9. 3556, | ↻ |
| | 7. 2528, | | | | |
| 344 | 13. 4500, | 11. 4214, | 9. 3556, | 7. 2528, | ↻ |
| | 13. 4500, | | | | |
| 345 | 11. 4214, | 9. 3556, | 7. 2528, | 13. 4500, | ↻ |
| | 11. 4214, | | | | |
| 346 | 9. 3556, | 7. 2528, | 13. 4500, | 11. 4214, | ↻ |
| | 9. 3556, | | | | |
| 347 | 7. 2528, | 13. 4500, | 11. 4214, | 9. 3556, | ↻ |
| | 7. 2528, | | | | |
| 348 | 13. 4500, | 11. 4214, | 9. 3556, | 7. 2528, | ↻ |
| | 13. 4500, | | | | |
| 349 | 11. 4214, | 9. 3556, | 7. 2528, | 13. 4500, | ↻ |
| | 11. 4214, | | | | |
| 350 | 9. 3556, | 7. 2528, | 13. 4500, | 11. 4214, | ↻ |
| | 9. 3556, | | | | |
| 351 | 7. 2528, | 13. 4500, | 11. 4214, | 9. 3556, | ↻ |
| | 7. 2528, | | | | |
| 352 | 13. 4500, | 11. 4214, | 9. 3556, | 7. 2528, | ↻ |
| | 13. 4500, | | | | |
| 353 | 11. 4214, | 9. 3556, | 7. 2528, | 13. 4500, | ↻ |
| | 11. 4214, | | | | |
| 354 | 9. 3556, | 7. 2528, | 13. 4500, | 11. 4214, | ↻ |
| | 9. 3556, | | | | |
| 355 | 7. 2528, | 13. 4500, | 11. 4214, | 9. 3556, | ↻ |
| | 7. 2528, | | | | |
| 356 | 13. 4500, | | | | |
| 357 | | | | | |
| 358 | 第1點外力序列 | | | | |
| 359 | -3. 7500, | -2. 7425, | -1. 7225, | -0. 6901, | ↻ |
| | 0. 3546, | | | | |
| 360 | -2. 7425, | -1. 7225, | -0. 6901, | -3. 7500, | ↻ |
| | -2. 7425, | | | | |
| 361 | -1. 7225, | -0. 6901, | -3. 7500, | -2. 7425, | ↻ |

```

        -1.7225,
362      -0.6901,      -3.7500,      -2.7425,      -1.7225,      ↗
        -0.6901,
363      -3.7500,      -2.7425,      -1.7225,      -0.6901,      ↗
        -3.7500,
364      -2.7425,      -1.7225,      -0.6901,      -3.7500,      ↗
        -2.7425,
365      -1.7225,      -0.6901,      -3.7500,      -2.7425,      ↗
        -1.7225,
366      -0.6901,      -3.7500,      -2.7425,      -1.7225,      ↗
        -0.6901,
367      -3.7500,      -2.7425,      -1.7225,      -0.6901,      ↗
        -3.7500,
368      -2.7425,      -1.7225,      -0.6901,      -3.7500,      ↗
        -2.7425,
369      -1.7225,      -0.6901,      -3.7500,      -2.7425,      ↗
        -1.7225,
370      -0.6901,      -3.7500,      -2.7425,      -1.7225,      ↗
        -0.6901,
371      -3.7500,      -2.7425,      -1.7225,      -0.6901,      ↗
        -3.7500,
372      -2.7425,      -1.7225,      -0.6901,      -3.7500,      ↗
        -2.7425,
373      -1.7225,      -0.6901,      -3.7500,      -2.7425,      ↗
        -1.7225,
374      -0.6901,      -3.7500,      -2.7425,      -1.7225,      ↗
        -0.6901,
375      -3.7500,      -2.7425,      -1.7225,      -0.6901,      ↗
        -3.7500,
376      -2.7425,      -1.7225,      -0.6901,      -3.7500,      ↗
        -2.7425,
377      -1.7225,      -0.6901,      -3.7500,      -2.7425,      ↗
        -1.7225,
378      -0.6901,      -3.7500,      -2.7425,      -1.7225,      ↗
        -0.6901,
379      -3.7500,
380
381
#####↗
#####
382
383      ***位移反應量***
384      時間(秒)      第0點位移      第1點位移
385
386      0.00000      5.00000      1.00000

```

| | | | |
|-----|----------|---------|---------|
| 387 | | | |
| 388 | 0.50000 | 4.49375 | 1.50000 |
| 389 | | | |
| 390 | 1.00000 | 3.97502 | 2.00000 |
| 391 | | | |
| 392 | 1.50000 | 3.44386 | 2.50000 |
| 393 | | | |
| 394 | 2.00000 | 2.90033 | 3.00000 |
| 395 | | | |
| 396 | 2.50000 | 4.49375 | 1.50000 |
| 397 | | | |
| 398 | 3.00000 | 3.97502 | 2.00000 |
| 399 | | | |
| 400 | 3.50000 | 3.44386 | 2.50000 |
| 401 | | | |
| 402 | 4.00000 | 5.00000 | 1.00000 |
| 403 | | | |
| 404 | 4.50000 | 4.49375 | 1.50000 |
| 405 | | | |
| 406 | 5.00000 | 3.97502 | 2.00000 |
| 407 | | | |
| 408 | 5.50000 | 3.44386 | 2.50000 |
| 409 | | | |
| 410 | 6.00000 | 5.00000 | 1.00000 |
| 411 | | | |
| 412 | 6.50000 | 4.49375 | 1.50000 |
| 413 | | | |
| 414 | 7.00000 | 3.97502 | 2.00000 |
| 415 | | | |
| 416 | 7.50000 | 3.44386 | 2.50000 |
| 417 | | | |
| 418 | 8.00000 | 5.00000 | 1.00000 |
| 419 | | | |
| 420 | 8.50000 | 4.49375 | 1.50000 |
| 421 | | | |
| 422 | 9.00000 | 3.97502 | 2.00000 |
| 423 | | | |
| 424 | 9.50000 | 3.44386 | 2.50000 |
| 425 | | | |
| 426 | 10.00000 | 5.00000 | 1.00000 |
| 427 | | | |
| 428 | 10.50000 | 4.49375 | 1.50000 |
| 429 | | | |
| 430 | 11.00000 | 3.97502 | 2.00000 |
| 431 | | | |

| | | | |
|-----|----------|---------|---------|
| 432 | 11.50000 | 3.44386 | 2.50000 |
| 433 | | | |
| 434 | 12.00000 | 5.00000 | 1.00000 |
| 435 | | | |
| 436 | 12.50000 | 4.49375 | 1.50000 |
| 437 | | | |
| 438 | 13.00000 | 3.97502 | 2.00000 |
| 439 | | | |
| 440 | 13.50000 | 3.44386 | 2.50000 |
| 441 | | | |
| 442 | 14.00000 | 5.00000 | 1.00000 |
| 443 | | | |
| 444 | 14.50000 | 4.49375 | 1.50000 |
| 445 | | | |
| 446 | 15.00000 | 3.97502 | 2.00000 |
| 447 | | | |
| 448 | 15.50000 | 3.44386 | 2.50000 |
| 449 | | | |
| 450 | 16.00000 | 5.00000 | 1.00000 |
| 451 | | | |
| 452 | 16.50000 | 4.49375 | 1.50000 |
| 453 | | | |
| 454 | 17.00000 | 3.97502 | 2.00000 |
| 455 | | | |
| 456 | 17.50000 | 3.44386 | 2.50000 |
| 457 | | | |
| 458 | 18.00000 | 5.00000 | 1.00000 |
| 459 | | | |
| 460 | 18.50000 | 4.49375 | 1.50000 |
| 461 | | | |
| 462 | 19.00000 | 3.97502 | 2.00000 |
| 463 | | | |
| 464 | 19.50000 | 3.44386 | 2.50000 |
| 465 | | | |
| 466 | 20.00000 | 5.00000 | 1.00000 |
| 467 | | | |
| 468 | 20.50000 | 4.49375 | 1.50000 |
| 469 | | | |
| 470 | 21.00000 | 3.97502 | 2.00000 |
| 471 | | | |
| 472 | 21.50000 | 3.44386 | 2.50000 |
| 473 | | | |
| 474 | 22.00000 | 5.00000 | 1.00000 |
| 475 | | | |
| 476 | 22.50000 | 4.49375 | 1.50000 |

| | | | |
|-----|----------|---------|---------|
| 477 | | | |
| 478 | 23.00000 | 3.97502 | 2.00000 |
| 479 | | | |
| 480 | 23.50000 | 3.44386 | 2.50000 |
| 481 | | | |
| 482 | 24.00000 | 5.00000 | 1.00000 |
| 483 | | | |
| 484 | 24.50000 | 4.49375 | 1.50000 |
| 485 | | | |
| 486 | 25.00000 | 3.97502 | 2.00000 |
| 487 | | | |
| 488 | 25.50000 | 3.44386 | 2.50000 |
| 489 | | | |
| 490 | 26.00000 | 5.00000 | 1.00000 |
| 491 | | | |
| 492 | 26.50000 | 4.49375 | 1.50000 |
| 493 | | | |
| 494 | 27.00000 | 3.97502 | 2.00000 |
| 495 | | | |
| 496 | 27.50000 | 3.44386 | 2.50000 |
| 497 | | | |
| 498 | 28.00000 | 5.00000 | 1.00000 |
| 499 | | | |
| 500 | 28.50000 | 4.49375 | 1.50000 |
| 501 | | | |
| 502 | 29.00000 | 3.97502 | 2.00000 |
| 503 | | | |
| 504 | 29.50000 | 3.44386 | 2.50000 |
| 505 | | | |
| 506 | 30.00000 | 5.00000 | 1.00000 |
| 507 | | | |
| 508 | 30.50000 | 4.49375 | 1.50000 |
| 509 | | | |
| 510 | 31.00000 | 3.97502 | 2.00000 |
| 511 | | | |
| 512 | 31.50000 | 3.44386 | 2.50000 |
| 513 | | | |
| 514 | 32.00000 | 5.00000 | 1.00000 |
| 515 | | | |
| 516 | 32.50000 | 4.49375 | 1.50000 |
| 517 | | | |
| 518 | 33.00000 | 3.97502 | 2.00000 |
| 519 | | | |
| 520 | 33.50000 | 3.44386 | 2.50000 |
| 521 | | | |

| | | | |
|-----|----------|---------|---------|
| 522 | 34.00000 | 5.00000 | 1.00000 |
| 523 | | | |
| 524 | 34.50000 | 4.49375 | 1.50000 |
| 525 | | | |
| 526 | 35.00000 | 3.97502 | 2.00000 |
| 527 | | | |
| 528 | 35.50000 | 3.44386 | 2.50000 |
| 529 | | | |
| 530 | 36.00000 | 5.00000 | 1.00000 |
| 531 | | | |
| 532 | 36.50000 | 4.49375 | 1.50000 |
| 533 | | | |
| 534 | 37.00000 | 3.97502 | 2.00000 |
| 535 | | | |
| 536 | 37.50000 | 3.44386 | 2.50000 |
| 537 | | | |
| 538 | 38.00000 | 5.00000 | 1.00000 |
| 539 | | | |
| 540 | 38.50000 | 4.49375 | 1.50000 |
| 541 | | | |
| 542 | 39.00000 | 3.97502 | 2.00000 |
| 543 | | | |
| 544 | 39.50000 | 3.44386 | 2.50000 |
| 545 | | | |
| 546 | 40.00000 | 5.00000 | 1.00000 |
| 547 | | | |
| 548 | 40.50000 | 4.49375 | 1.50000 |
| 549 | | | |
| 550 | 41.00000 | 3.97502 | 2.00000 |
| 551 | | | |
| 552 | 41.50000 | 3.44386 | 2.50000 |
| 553 | | | |
| 554 | 42.00000 | 5.00000 | 1.00000 |
| 555 | | | |
| 556 | 42.50000 | 4.49375 | 1.50000 |
| 557 | | | |
| 558 | 43.00000 | 3.97502 | 2.00000 |
| 559 | | | |
| 560 | 43.50000 | 3.44386 | 2.50000 |
| 561 | | | |
| 562 | 44.00000 | 5.00000 | 1.00000 |
| 563 | | | |
| 564 | 44.50000 | 4.49375 | 1.50000 |
| 565 | | | |
| 566 | 45.00000 | 3.97502 | 2.00000 |

```

567
568      45.50000      3.44386      2.50000
569
570      46.00000      5.00000      1.00000
571
572      46.50000      4.49375      1.50000
573
574      47.00000      3.97502      2.00000
575
576      47.50000      3.44386      2.50000
577
578      48.00000      5.00000      1.00000
579
580      48.50000      4.49375      1.50000
581
582      49.00000      3.97502      2.00000
583
584      49.50000      3.44386      2.50000
585
586      50.00000      5.00000      1.00000
587
588
589
590      ***速度反應量***
591      時間(秒)      第0點速度      第1點速度
592
593      0.00000      -1.00000      1.00000
594
595      0.50000      -1.02499      1.00000
596
597      1.00000      -1.04992      1.00000
598
599      1.50000      -1.07472      1.00000
600
601      2.00000      -1.09933      1.00000
602
603      2.50000      -1.02499      1.00000
604
605      3.00000      -1.04992      1.00000
606
607      3.50000      -1.07472      1.00000
608
609      4.00000      -1.00000      1.00000
610
611      4.50000      -1.02499      1.00000

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| | | | |
|-----|----------|----------|---------|
| 612 | | | |
| 613 | 5.00000 | -1.04992 | 1.00000 |
| 614 | | | |
| 615 | 5.50000 | -1.07472 | 1.00000 |
| 616 | | | |
| 617 | 6.00000 | -1.00000 | 1.00000 |
| 618 | | | |
| 619 | 6.50000 | -1.02499 | 1.00000 |
| 620 | | | |
| 621 | 7.00000 | -1.04992 | 1.00000 |
| 622 | | | |
| 623 | 7.50000 | -1.07472 | 1.00000 |
| 624 | | | |
| 625 | 8.00000 | -1.00000 | 1.00000 |
| 626 | | | |
| 627 | 8.50000 | -1.02499 | 1.00000 |
| 628 | | | |
| 629 | 9.00000 | -1.04992 | 1.00000 |
| 630 | | | |
| 631 | 9.50000 | -1.07472 | 1.00000 |
| 632 | | | |
| 633 | 10.00000 | -1.00000 | 1.00000 |
| 634 | | | |
| 635 | 10.50000 | -1.02499 | 1.00000 |
| 636 | | | |
| 637 | 11.00000 | -1.04992 | 1.00000 |
| 638 | | | |
| 639 | 11.50000 | -1.07472 | 1.00000 |
| 640 | | | |
| 641 | 12.00000 | -1.00000 | 1.00000 |
| 642 | | | |
| 643 | 12.50000 | -1.02499 | 1.00000 |
| 644 | | | |
| 645 | 13.00000 | -1.04992 | 1.00000 |
| 646 | | | |
| 647 | 13.50000 | -1.07472 | 1.00000 |
| 648 | | | |
| 649 | 14.00000 | -1.00000 | 1.00000 |
| 650 | | | |
| 651 | 14.50000 | -1.02499 | 1.00000 |
| 652 | | | |
| 653 | 15.00000 | -1.04992 | 1.00000 |
| 654 | | | |
| 655 | 15.50000 | -1.07472 | 1.00000 |
| 656 | | | |

| | | | |
|-----|----------|----------|---------|
| 657 | 16.00000 | -1.00000 | 1.00000 |
| 658 | | | |
| 659 | 16.50000 | -1.02499 | 1.00000 |
| 660 | | | |
| 661 | 17.00000 | -1.04992 | 1.00000 |
| 662 | | | |
| 663 | 17.50000 | -1.07472 | 1.00000 |
| 664 | | | |
| 665 | 18.00000 | -1.00000 | 1.00000 |
| 666 | | | |
| 667 | 18.50000 | -1.02499 | 1.00000 |
| 668 | | | |
| 669 | 19.00000 | -1.04992 | 1.00000 |
| 670 | | | |
| 671 | 19.50000 | -1.07472 | 1.00000 |
| 672 | | | |
| 673 | 20.00000 | -1.00000 | 1.00000 |
| 674 | | | |
| 675 | 20.50000 | -1.02499 | 1.00000 |
| 676 | | | |
| 677 | 21.00000 | -1.04992 | 1.00000 |
| 678 | | | |
| 679 | 21.50000 | -1.07472 | 1.00000 |
| 680 | | | |
| 681 | 22.00000 | -1.00000 | 1.00000 |
| 682 | | | |
| 683 | 22.50000 | -1.02499 | 1.00000 |
| 684 | | | |
| 685 | 23.00000 | -1.04992 | 1.00000 |
| 686 | | | |
| 687 | 23.50000 | -1.07472 | 1.00000 |
| 688 | | | |
| 689 | 24.00000 | -1.00000 | 1.00000 |
| 690 | | | |
| 691 | 24.50000 | -1.02499 | 1.00000 |
| 692 | | | |
| 693 | 25.00000 | -1.04992 | 1.00000 |
| 694 | | | |
| 695 | 25.50000 | -1.07472 | 1.00000 |
| 696 | | | |
| 697 | 26.00000 | -1.00000 | 1.00000 |
| 698 | | | |
| 699 | 26.50000 | -1.02499 | 1.00000 |
| 700 | | | |
| 701 | 27.00000 | -1.04992 | 1.00000 |

| | | | |
|-----|----------|----------|---------|
| 702 | | | |
| 703 | 27.50000 | -1.07472 | 1.00000 |
| 704 | | | |
| 705 | 28.00000 | -1.00000 | 1.00000 |
| 706 | | | |
| 707 | 28.50000 | -1.02499 | 1.00000 |
| 708 | | | |
| 709 | 29.00000 | -1.04992 | 1.00000 |
| 710 | | | |
| 711 | 29.50000 | -1.07472 | 1.00000 |
| 712 | | | |
| 713 | 30.00000 | -1.00000 | 1.00000 |
| 714 | | | |
| 715 | 30.50000 | -1.02499 | 1.00000 |
| 716 | | | |
| 717 | 31.00000 | -1.04992 | 1.00000 |
| 718 | | | |
| 719 | 31.50000 | -1.07472 | 1.00000 |
| 720 | | | |
| 721 | 32.00000 | -1.00000 | 1.00000 |
| 722 | | | |
| 723 | 32.50000 | -1.02499 | 1.00000 |
| 724 | | | |
| 725 | 33.00000 | -1.04992 | 1.00000 |
| 726 | | | |
| 727 | 33.50000 | -1.07472 | 1.00000 |
| 728 | | | |
| 729 | 34.00000 | -1.00000 | 1.00000 |
| 730 | | | |
| 731 | 34.50000 | -1.02499 | 1.00000 |
| 732 | | | |
| 733 | 35.00000 | -1.04992 | 1.00000 |
| 734 | | | |
| 735 | 35.50000 | -1.07472 | 1.00000 |
| 736 | | | |
| 737 | 36.00000 | -1.00000 | 1.00000 |
| 738 | | | |
| 739 | 36.50000 | -1.02499 | 1.00000 |
| 740 | | | |
| 741 | 37.00000 | -1.04992 | 1.00000 |
| 742 | | | |
| 743 | 37.50000 | -1.07472 | 1.00000 |
| 744 | | | |
| 745 | 38.00000 | -1.00000 | 1.00000 |
| 746 | | | |

| | | | |
|-----|----------|----------|---------|
| 747 | 38.50000 | -1.02499 | 1.00000 |
| 748 | | | |
| 749 | 39.00000 | -1.04992 | 1.00000 |
| 750 | | | |
| 751 | 39.50000 | -1.07472 | 1.00000 |
| 752 | | | |
| 753 | 40.00000 | -1.00000 | 1.00000 |
| 754 | | | |
| 755 | 40.50000 | -1.02499 | 1.00000 |
| 756 | | | |
| 757 | 41.00000 | -1.04992 | 1.00000 |
| 758 | | | |
| 759 | 41.50000 | -1.07472 | 1.00000 |
| 760 | | | |
| 761 | 42.00000 | -1.00000 | 1.00000 |
| 762 | | | |
| 763 | 42.50000 | -1.02499 | 1.00000 |
| 764 | | | |
| 765 | 43.00000 | -1.04992 | 1.00000 |
| 766 | | | |
| 767 | 43.50000 | -1.07472 | 1.00000 |
| 768 | | | |
| 769 | 44.00000 | -1.00000 | 1.00000 |
| 770 | | | |
| 771 | 44.50000 | -1.02499 | 1.00000 |
| 772 | | | |
| 773 | 45.00000 | -1.04992 | 1.00000 |
| 774 | | | |
| 775 | 45.50000 | -1.07472 | 1.00000 |
| 776 | | | |
| 777 | 46.00000 | -1.00000 | 1.00000 |
| 778 | | | |
| 779 | 46.50000 | -1.02499 | 1.00000 |
| 780 | | | |
| 781 | 47.00000 | -1.04992 | 1.00000 |
| 782 | | | |
| 783 | 47.50000 | -1.07472 | 1.00000 |
| 784 | | | |
| 785 | 48.00000 | -1.00000 | 1.00000 |
| 786 | | | |
| 787 | 48.50000 | -1.02499 | 1.00000 |
| 788 | | | |
| 789 | 49.00000 | -1.04992 | 1.00000 |
| 790 | | | |
| 791 | 49.50000 | -1.07472 | 1.00000 |

| | | | |
|-----|------------|----------|---------|
| 792 | | | |
| 793 | 50.00000 | -1.00000 | 1.00000 |
| 794 | | | |
| 795 | | | |
| 796 | | | |
| 797 | *** 加速度反應量 | *** | |
| 798 | 時間(秒) | 第0點加速度 | 第1點加速度 |
| 799 | | | |
| 800 | 0.00000 | -1.00000 | 0.00000 |
| 801 | | | |
| 802 | 0.50000 | -1.02499 | 0.00000 |
| 803 | | | |
| 804 | 1.00000 | -1.04992 | 0.00000 |
| 805 | | | |
| 806 | 1.50000 | -1.07472 | 0.00000 |
| 807 | | | |
| 808 | 2.00000 | -1.09933 | 0.00000 |
| 809 | | | |
| 810 | 2.50000 | -1.02499 | 0.00000 |
| 811 | | | |
| 812 | 3.00000 | -1.04992 | 0.00000 |
| 813 | | | |
| 814 | 3.50000 | -1.07472 | 0.00000 |
| 815 | | | |
| 816 | 4.00000 | -1.00000 | 0.00000 |
| 817 | | | |
| 818 | 4.50000 | -1.02499 | 0.00000 |
| 819 | | | |
| 820 | 5.00000 | -1.04992 | 0.00000 |
| 821 | | | |
| 822 | 5.50000 | -1.07472 | 0.00000 |
| 823 | | | |
| 824 | 6.00000 | -1.00000 | 0.00000 |
| 825 | | | |
| 826 | 6.50000 | -1.02499 | 0.00000 |
| 827 | | | |
| 828 | 7.00000 | -1.04992 | 0.00000 |
| 829 | | | |
| 830 | 7.50000 | -1.07472 | 0.00000 |
| 831 | | | |
| 832 | 8.00000 | -1.00000 | 0.00000 |
| 833 | | | |
| 834 | 8.50000 | -1.02499 | 0.00000 |
| 835 | | | |
| 836 | 9.00000 | -1.04992 | 0.00000 |

| | | | |
|-----|----------|----------|---------|
| 837 | | | |
| 838 | 9.50000 | -1.07472 | 0.00000 |
| 839 | | | |
| 840 | 10.00000 | -1.00000 | 0.00000 |
| 841 | | | |
| 842 | 10.50000 | -1.02499 | 0.00000 |
| 843 | | | |
| 844 | 11.00000 | -1.04992 | 0.00000 |
| 845 | | | |
| 846 | 11.50000 | -1.07472 | 0.00000 |
| 847 | | | |
| 848 | 12.00000 | -1.00000 | 0.00000 |
| 849 | | | |
| 850 | 12.50000 | -1.02499 | 0.00000 |
| 851 | | | |
| 852 | 13.00000 | -1.04992 | 0.00000 |
| 853 | | | |
| 854 | 13.50000 | -1.07472 | 0.00000 |
| 855 | | | |
| 856 | 14.00000 | -1.00000 | 0.00000 |
| 857 | | | |
| 858 | 14.50000 | -1.02499 | 0.00000 |
| 859 | | | |
| 860 | 15.00000 | -1.04992 | 0.00000 |
| 861 | | | |
| 862 | 15.50000 | -1.07472 | 0.00000 |
| 863 | | | |
| 864 | 16.00000 | -1.00000 | 0.00000 |
| 865 | | | |
| 866 | 16.50000 | -1.02499 | 0.00000 |
| 867 | | | |
| 868 | 17.00000 | -1.04992 | 0.00000 |
| 869 | | | |
| 870 | 17.50000 | -1.07472 | 0.00000 |
| 871 | | | |
| 872 | 18.00000 | -1.00000 | 0.00000 |
| 873 | | | |
| 874 | 18.50000 | -1.02499 | 0.00000 |
| 875 | | | |
| 876 | 19.00000 | -1.04992 | 0.00000 |
| 877 | | | |
| 878 | 19.50000 | -1.07472 | 0.00000 |
| 879 | | | |
| 880 | 20.00000 | -1.00000 | 0.00000 |
| 881 | | | |

| | | | |
|-----|----------|----------|---------|
| 882 | 20.50000 | -1.02499 | 0.00000 |
| 883 | | | |
| 884 | 21.00000 | -1.04992 | 0.00000 |
| 885 | | | |
| 886 | 21.50000 | -1.07472 | 0.00000 |
| 887 | | | |
| 888 | 22.00000 | -1.00000 | 0.00000 |
| 889 | | | |
| 890 | 22.50000 | -1.02499 | 0.00000 |
| 891 | | | |
| 892 | 23.00000 | -1.04992 | 0.00000 |
| 893 | | | |
| 894 | 23.50000 | -1.07472 | 0.00000 |
| 895 | | | |
| 896 | 24.00000 | -1.00000 | 0.00000 |
| 897 | | | |
| 898 | 24.50000 | -1.02499 | 0.00000 |
| 899 | | | |
| 900 | 25.00000 | -1.04992 | 0.00000 |
| 901 | | | |
| 902 | 25.50000 | -1.07472 | 0.00000 |
| 903 | | | |
| 904 | 26.00000 | -1.00000 | 0.00000 |
| 905 | | | |
| 906 | 26.50000 | -1.02499 | 0.00000 |
| 907 | | | |
| 908 | 27.00000 | -1.04992 | 0.00000 |
| 909 | | | |
| 910 | 27.50000 | -1.07472 | 0.00000 |
| 911 | | | |
| 912 | 28.00000 | -1.00000 | 0.00000 |
| 913 | | | |
| 914 | 28.50000 | -1.02499 | 0.00000 |
| 915 | | | |
| 916 | 29.00000 | -1.04992 | 0.00000 |
| 917 | | | |
| 918 | 29.50000 | -1.07472 | 0.00000 |
| 919 | | | |
| 920 | 30.00000 | -1.00000 | 0.00000 |
| 921 | | | |
| 922 | 30.50000 | -1.02499 | 0.00000 |
| 923 | | | |
| 924 | 31.00000 | -1.04992 | 0.00000 |
| 925 | | | |
| 926 | 31.50000 | -1.07472 | 0.00000 |

| | | | |
|-----|----------|----------|---------|
| 927 | | | |
| 928 | 32.00000 | -1.00000 | 0.00000 |
| 929 | | | |
| 930 | 32.50000 | -1.02499 | 0.00000 |
| 931 | | | |
| 932 | 33.00000 | -1.04992 | 0.00000 |
| 933 | | | |
| 934 | 33.50000 | -1.07472 | 0.00000 |
| 935 | | | |
| 936 | 34.00000 | -1.00000 | 0.00000 |
| 937 | | | |
| 938 | 34.50000 | -1.02499 | 0.00000 |
| 939 | | | |
| 940 | 35.00000 | -1.04992 | 0.00000 |
| 941 | | | |
| 942 | 35.50000 | -1.07472 | 0.00000 |
| 943 | | | |
| 944 | 36.00000 | -1.00000 | 0.00000 |
| 945 | | | |
| 946 | 36.50000 | -1.02499 | 0.00000 |
| 947 | | | |
| 948 | 37.00000 | -1.04992 | 0.00000 |
| 949 | | | |
| 950 | 37.50000 | -1.07472 | 0.00000 |
| 951 | | | |
| 952 | 38.00000 | -1.00000 | 0.00000 |
| 953 | | | |
| 954 | 38.50000 | -1.02499 | 0.00000 |
| 955 | | | |
| 956 | 39.00000 | -1.04992 | 0.00000 |
| 957 | | | |
| 958 | 39.50000 | -1.07472 | 0.00000 |
| 959 | | | |
| 960 | 40.00000 | -1.00000 | 0.00000 |
| 961 | | | |
| 962 | 40.50000 | -1.02499 | 0.00000 |
| 963 | | | |
| 964 | 41.00000 | -1.04992 | 0.00000 |
| 965 | | | |
| 966 | 41.50000 | -1.07472 | 0.00000 |
| 967 | | | |
| 968 | 42.00000 | -1.00000 | 0.00000 |
| 969 | | | |
| 970 | 42.50000 | -1.02499 | 0.00000 |
| 971 | | | |

| | | | | | |
|------|----------|----------|----------|----------|---|
| 972 | 43.00000 | -1.04992 | 0.00000 | | |
| 973 | | | | | |
| 974 | 43.50000 | -1.07472 | 0.00000 | | |
| 975 | | | | | |
| 976 | 44.00000 | -1.00000 | 0.00000 | | |
| 977 | | | | | |
| 978 | 44.50000 | -1.02499 | 0.00000 | | |
| 979 | | | | | |
| 980 | 45.00000 | -1.04992 | 0.00000 | | |
| 981 | | | | | |
| 982 | 45.50000 | -1.07472 | 0.00000 | | |
| 983 | | | | | |
| 984 | 46.00000 | -1.00000 | 0.00000 | | |
| 985 | | | | | |
| 986 | 46.50000 | -1.02499 | 0.00000 | | |
| 987 | | | | | |
| 988 | 47.00000 | -1.04992 | 0.00000 | | |
| 989 | | | | | |
| 990 | 47.50000 | -1.07472 | 0.00000 | | |
| 991 | | | | | |
| 992 | 48.00000 | -1.00000 | 0.00000 | | |
| 993 | | | | | |
| 994 | 48.50000 | -1.02499 | 0.00000 | | |
| 995 | | | | | |
| 996 | 49.00000 | -1.04992 | 0.00000 | | |
| 997 | | | | | |
| 998 | 49.50000 | -1.07472 | 0.00000 | | |
| 999 | | | | | |
| 1000 | 50.00000 | -1.00000 | 0.00000 | | |
| 1001 | | | | | |
| 1002 | | | | | |
| 1003 | | | | | |
| 1004 | 時間序列 | | | | |
| 1005 | 0.0000, | 0.5000, | 1.0000, | 1.5000, | ? |
| | | 2.0000, | | | |
| 1006 | 2.5000, | 3.0000, | 3.5000, | 4.0000, | ? |
| | | 4.5000, | | | |
| 1007 | 5.0000, | 5.5000, | 6.0000, | 6.5000, | ? |
| | | 7.0000, | | | |
| 1008 | 7.5000, | 8.0000, | 8.5000, | 9.0000, | ? |
| | | 9.5000, | | | |
| 1009 | 10.0000, | 10.5000, | 11.0000, | 11.5000, | ? |
| | | 12.0000, | | | |
| 1010 | 12.5000, | 13.0000, | 13.5000, | 14.0000, | ? |
| | | 14.5000, | | | |

| | | | | | |
|------|----------|----------|----------|----------|---|
| 1011 | 15.0000, | 15.5000, | 16.0000, | 16.5000, | ↻ |
| | 17.0000, | | | | |
| 1012 | 17.5000, | 18.0000, | 18.5000, | 19.0000, | ↻ |
| | 19.5000, | | | | |
| 1013 | 20.0000, | 20.5000, | 21.0000, | 21.5000, | ↻ |
| | 22.0000, | | | | |
| 1014 | 22.5000, | 23.0000, | 23.5000, | 24.0000, | ↻ |
| | 24.5000, | | | | |
| 1015 | 25.0000, | 25.5000, | 26.0000, | 26.5000, | ↻ |
| | 27.0000, | | | | |
| 1016 | 27.5000, | 28.0000, | 28.5000, | 29.0000, | ↻ |
| | 29.5000, | | | | |
| 1017 | 30.0000, | 30.5000, | 31.0000, | 31.5000, | ↻ |
| | 32.0000, | | | | |
| 1018 | 32.5000, | 33.0000, | 33.5000, | 34.0000, | ↻ |
| | 34.5000, | | | | |
| 1019 | 35.0000, | 35.5000, | 36.0000, | 36.5000, | ↻ |
| | 37.0000, | | | | |
| 1020 | 37.5000, | 38.0000, | 38.5000, | 39.0000, | ↻ |
| | 39.5000, | | | | |
| 1021 | 40.0000, | 40.5000, | 41.0000, | 41.5000, | ↻ |
| | 42.0000, | | | | |
| 1022 | 42.5000, | 43.0000, | 43.5000, | 44.0000, | ↻ |
| | 44.5000, | | | | |
| 1023 | 45.0000, | 45.5000, | 46.0000, | 46.5000, | ↻ |
| | 47.0000, | | | | |
| 1024 | 47.5000, | 48.0000, | 48.5000, | 49.0000, | ↻ |
| | 49.5000, | | | | |
| 1025 | 50.0000, | | | | |
| 1026 | | | | | |
| 1027 | | | | | |
| 1028 | 第0點變位序列 | | | | |
| 1029 | 5.0000, | 4.4938, | 3.9750, | 3.4439, | ↻ |
| | 2.9003, | | | | |
| 1030 | 4.4938, | 3.9750, | 3.4439, | 5.0000, | ↻ |
| | 4.4938, | | | | |
| 1031 | 3.9750, | 3.4439, | 5.0000, | 4.4938, | ↻ |
| | 3.9750, | | | | |
| 1032 | 3.4439, | 5.0000, | 4.4938, | 3.9750, | ↻ |
| | 3.4439, | | | | |
| 1033 | 5.0000, | 4.4938, | 3.9750, | 3.4439, | ↻ |
| | 5.0000, | | | | |
| 1034 | 4.4938, | 3.9750, | 3.4439, | 5.0000, | ↻ |
| | 4.4938, | | | | |
| 1035 | 3.9750, | 3.4439, | 5.0000, | 4.4938, | ↻ |

| | | | | | | |
|------|----------|----------|----------|----------|----------|---|
| | | 3. 9750, | | | | |
| 1036 | 3. 4439, | | 5. 0000, | 4. 4938, | 3. 9750, | ↻ |
| | | 3. 4439, | | | | |
| 1037 | 5. 0000, | | 4. 4938, | 3. 9750, | 3. 4439, | ↻ |
| | | 5. 0000, | | | | |
| 1038 | 4. 4938, | | 3. 9750, | 3. 4439, | 5. 0000, | ↻ |
| | | 4. 4938, | | | | |
| 1039 | 3. 9750, | | 3. 4439, | 5. 0000, | 4. 4938, | ↻ |
| | | 3. 9750, | | | | |
| 1040 | 3. 4439, | | 5. 0000, | 4. 4938, | 3. 9750, | ↻ |
| | | 3. 4439, | | | | |
| 1041 | 5. 0000, | | 4. 4938, | 3. 9750, | 3. 4439, | ↻ |
| | | 5. 0000, | | | | |
| 1042 | 4. 4938, | | 3. 9750, | 3. 4439, | 5. 0000, | ↻ |
| | | 4. 4938, | | | | |
| 1043 | 3. 9750, | | 3. 4439, | 5. 0000, | 4. 4938, | ↻ |
| | | 3. 9750, | | | | |
| 1044 | 3. 4439, | | 5. 0000, | 4. 4938, | 3. 9750, | ↻ |
| | | 3. 4439, | | | | |
| 1045 | 5. 0000, | | 4. 4938, | 3. 9750, | 3. 4439, | ↻ |
| | | 5. 0000, | | | | |
| 1046 | 4. 4938, | | 3. 9750, | 3. 4439, | 5. 0000, | ↻ |
| | | 4. 4938, | | | | |
| 1047 | 3. 9750, | | 3. 4439, | 5. 0000, | 4. 4938, | ↻ |
| | | 3. 9750, | | | | |
| 1048 | 3. 4439, | | 5. 0000, | 4. 4938, | 3. 9750, | ↻ |
| | | 3. 4439, | | | | |
| 1049 | 5. 0000, | | | | | |
| 1050 | | | | | | |
| 1051 | | | | | | |
| 1052 | 第1點變位序列 | | | | | |
| 1053 | 1. 0000, | | 1. 5000, | 2. 0000, | 2. 5000, | ↻ |
| | | 3. 0000, | | | | |
| 1054 | 1. 5000, | | 2. 0000, | 2. 5000, | 1. 0000, | ↻ |
| | | 1. 5000, | | | | |
| 1055 | 2. 0000, | | 2. 5000, | 1. 0000, | 1. 5000, | ↻ |
| | | 2. 0000, | | | | |
| 1056 | 2. 5000, | | 1. 0000, | 1. 5000, | 2. 0000, | ↻ |
| | | 2. 5000, | | | | |
| 1057 | 1. 0000, | | 1. 5000, | 2. 0000, | 2. 5000, | ↻ |
| | | 1. 0000, | | | | |
| 1058 | 1. 5000, | | 2. 0000, | 2. 5000, | 1. 0000, | ↻ |
| | | 1. 5000, | | | | |
| 1059 | 2. 0000, | | 2. 5000, | 1. 0000, | 1. 5000, | ↻ |
| | | 2. 0000, | | | | |

| | | | | | |
|------|----------|----------|----------|----------|---|
| 1060 | 2.5000, | 1.0000, | 1.5000, | 2.0000, | ↻ |
| | 2.5000, | | | | |
| 1061 | 1.0000, | 1.5000, | 2.0000, | 2.5000, | ↻ |
| | 1.0000, | | | | |
| 1062 | 1.5000, | 2.0000, | 2.5000, | 1.0000, | ↻ |
| | 1.5000, | | | | |
| 1063 | 2.0000, | 2.5000, | 1.0000, | 1.5000, | ↻ |
| | 2.0000, | | | | |
| 1064 | 2.5000, | 1.0000, | 1.5000, | 2.0000, | ↻ |
| | 2.5000, | | | | |
| 1065 | 1.0000, | 1.5000, | 2.0000, | 2.5000, | ↻ |
| | 1.0000, | | | | |
| 1066 | 1.5000, | 2.0000, | 2.5000, | 1.0000, | ↻ |
| | 1.5000, | | | | |
| 1067 | 2.0000, | 2.5000, | 1.0000, | 1.5000, | ↻ |
| | 2.0000, | | | | |
| 1068 | 2.5000, | 1.0000, | 1.5000, | 2.0000, | ↻ |
| | 2.5000, | | | | |
| 1069 | 1.0000, | 1.5000, | 2.0000, | 2.5000, | ↻ |
| | 1.0000, | | | | |
| 1070 | 1.5000, | 2.0000, | 2.5000, | 1.0000, | ↻ |
| | 1.5000, | | | | |
| 1071 | 2.0000, | 2.5000, | 1.0000, | 1.5000, | ↻ |
| | 2.0000, | | | | |
| 1072 | 2.5000, | 1.0000, | 1.5000, | 2.0000, | ↻ |
| | 2.5000, | | | | |
| 1073 | 1.0000, | | | | |
| 1074 | | | | | |
| 1075 | | | | | |
| 1076 | 第0點速度序列 | | | | |
| 1077 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0993, | | | | |
| 1078 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1079 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1080 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1081 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0000, | | | | |
| 1082 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1083 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1084 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |

| | | | | | |
|------|----------|----------|----------|----------|---|
| | -1.0747, | | | | |
| 1085 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0000, | | | | |
| 1086 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1087 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1088 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1089 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0000, | | | | |
| 1090 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1091 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1092 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1093 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0000, | | | | |
| 1094 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1095 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1096 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1097 | -1.0000, | | | | |
| 1098 | | | | | |
| 1099 | | | | | |
| 1100 | 第1點速度序列 | | | | |
| 1101 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1102 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1103 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1104 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1105 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1106 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1107 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1108 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |

| | | | | | |
|------|----------|----------|----------|----------|---|
| 1109 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1110 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1111 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1112 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1113 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1114 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1115 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1116 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1117 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1118 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1119 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1120 | 1.0000, | 1.0000, | 1.0000, | 1.0000, | ↻ |
| | 1.0000, | | | | |
| 1121 | 1.0000, | | | | |
| 1122 | | | | | |
| 1123 | | | | | |
| 1124 | 第0點加速度序列 | | | | |
| 1125 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0993, | | | | |
| 1126 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1127 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1128 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1129 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0000, | | | | |
| 1130 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1131 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1132 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1133 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |

| | | | | | |
|------|----------|----------|----------|----------|---|
| | -1.0000, | | | | |
| 1134 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1135 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1136 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1137 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0000, | | | | |
| 1138 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1139 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1140 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1141 | -1.0000, | -1.0250, | -1.0499, | -1.0747, | ↻ |
| | -1.0000, | | | | |
| 1142 | -1.0250, | -1.0499, | -1.0747, | -1.0000, | ↻ |
| | -1.0250, | | | | |
| 1143 | -1.0499, | -1.0747, | -1.0000, | -1.0250, | ↻ |
| | -1.0499, | | | | |
| 1144 | -1.0747, | -1.0000, | -1.0250, | -1.0499, | ↻ |
| | -1.0747, | | | | |
| 1145 | -1.0000, | | | | |
| 1146 | | | | | |
| 1147 | | | | | |
| 1148 | 第1點加速度序列 | | | | |
| 1149 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1150 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1151 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1152 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1153 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1154 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1155 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1156 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |
| 1157 | 0.0000, | 0.0000, | 0.0000, | 0.0000, | ↻ |
| | 0.0000, | | | | |

```
1158      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1159      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1160      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1161      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1162      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1163      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1164      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1165      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1166      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1167      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1168      0.0000,      0.0000,      0.0000,      0.0000,      ↻
      0.0000,
1169      0.0000,
1170
1171 請按任意鍵繼續 . . .
1172 */
```