

```
1 <!DOCTYPE html>CRLE
2 <html>CRLE
3   <head>CRLE
4     <title>Dancing Sinus</title>CRLE
5   </head>CRLE
6   <body>CRLE
7     <script src="http://cdnjs.cloudflare.com/ajax/libs/p5.js/0.5.6/p5.js"></script>CRLE
8     <script src="http://cdnjs.cloudflare.com/ajax/libs/p5.js/0.5.6/addons/p5.dom.js"></script>CRLE
9     CRLE
10    <h1 style="text-align: center">Dancing Sinus</h1>CRLE
11    <h3 style="text-align: center">by Martin Michael</h3>CRLE
12    <p style="text-align: center; font-size: 24px">Just for Fun !</p>CRLE
13  CRLE
14  <div id='container'></div>CRLE
15  CRLE
16  <script>CRLE
17    let Counter = 0; CRLE
18    let sketch = function(p) {CRLE
19      p.setup = function() {CRLE
20        p.createCanvas(1000, 400);CRLE
21        p.background(225);CRLE
22      }CRLE
23      CRLE
24      p.draw = function() {CRLE
25        CRLE
26        p.background(225);CRLE
27        CRLE
28        f = (Math.random() * (0.120 - 0.0200) + 0.0200);CRLE
29        h = p.random(25, 100);CRLE
30        CRLE
31        p.DrawSinusWave(h, f, p.GetFarbe());CRLE
32      CRLE
33      CRLE
34      /* CRLE
35      DrawSinusWave(75, 0.02, GetFarbe());CRLE
36      DrawSinusWave(75, 0.005, GetFarbe());CRLE
37      DrawSinusWave(75, 0.05, GetFarbe());CRLE
38      */CRLE
39      Counter++;CRLE
40      CRLE
41    }CRLE
42    CRLE
43    CRLE
44    p.GetFarbe = function()CRLE
45    {CRLE
46      r = p.random(256);CRLE
47      g = p.random(256);CRLE
48      b = p.random(256);CRLE
49      CRLE
50      return (p.color(r, g, b));CRLE
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51 }  
52  
53  
54 p.DrawSinusWave = function(h, w, farbe)  
55 {  
56  
57   p.stroke(farbe); // Change the color  
58   p.strokeWeight(2); // Make the points 10 pixels in size  
59  
60   let x = 0;  
61  
62   for (let s = 0; s < p.width; s = s + w)  
63   {  
64     x++;  
65     let y = Math.sin(s) * h + p.height / 2;  
66  
67     p.point(x, y);  
68  
69     if (x > p.width) break;  
70   }  
71 }  
72  
73  
74 };  
75 new p5(sketch, 'container');  
76  
77 </script>  
78  
79 </body>  
80 </html>  
81
```