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1
2
3 jQuery.easing['jswing'] = jQuery.easing['swing'];
4
5 jQuery.extend( jQuery.easing,
6 {
7     def: 'easeOutQuad',
8     swing: function (x, t, b, c, d) {
9         //alert(jQuery.easing.default);
10        return jQuery.easing[jQuery.easing.def](x, t, b, c, d);
11    },
12    easeInQuad: function (x, t, b, c, d) {
13        return c*(t/=d)*t + b;
14    },
15    easeOutQuad: function (x, t, b, c, d) {
16        return -c *(t/=d)*(t-2) + b;
17    },
18    easeInOutQuad: function (x, t, b, c, d) {
19        if ((t/=d/2) < 1) return c/2*t*t + b;
20        return -c/2 * ((--t)*(t-2) - 1) + b;
21    },
22    easeInCubic: function (x, t, b, c, d) {
23        return c*(t/=d)*t*t + b;
24    },
25    easeOutCubic: function (x, t, b, c, d) {
26        return c*((t=t/d-1)*t*t + 1) + b;
27    },
28    easeInOutCubic: function (x, t, b, c, d) {
29        if ((t/=d/2) < 1) return c/2*t*t*t + b;
30        return c/2*((t-=2)*t*t*t + 2) + b;
31    },
32    easeInQuart: function (x, t, b, c, d) {
33        return c*(t/=d)*t*t*t + b;
34    },
35    easeOutQuart: function (x, t, b, c, d) {
36        return -c * ((t=t/d-1)*t*t*t - 1) + b;
37    },
38    easeInOutQuart: function (x, t, b, c, d) {
39        if ((t/=d/2) < 1) return c/2*t*t*t*t + b;
40        return -c/2 * ((t-=2)*t*t*t*t - 2) + b;
41    },
42    easeInQuint: function (x, t, b, c, d) {
43        return c*(t/=d)*t*t*t*t + b;
44    },
45    easeOutQuint: function (x, t, b, c, d) {
46        return c*((t=t/d-1)*t*t*t*t + 1) + b;
47    },
48    easeInOutQuint: function (x, t, b, c, d) {
49        if ((t/=d/2) < 1) return c/2*t*t*t*t*t + b;
50        return c/2*((t-=2)*t*t*t*t*t + 2) + b;
51    },
52    easeInSine: function (x, t, b, c, d) {
53        return -c * Math.cos(t/d * (Math.PI/2)) + c + b;
54    },
55    easeOutSine: function (x, t, b, c, d) {
56        return c * Math.sin(t/d * (Math.PI/2)) + b;
57    },
58    easeInOutSine: function (x, t, b, c, d) {
59        return -c/2 * (Math.cos(Math.PI*t/d) - 1) + b;
60    },
61    easeInExpo: function (x, t, b, c, d) {
62        return (t==0) ? b : c * Math.pow(2, 10 * (t/d - 1)) + b;
63    },
64    easeOutExpo: function (x, t, b, c, d) {
65        return (t==d) ? b+c : c * (-Math.pow(2, -10 * t/d) + 1) + b;
66    },
67    easeInOutExpo: function (x, t, b, c, d) {
68        if (t==0) return b;
69        if (t==d) return b+c;

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70         if ((t/=d/2) < 1) return c/2 * Math.pow(2, 10 * (t - 1)) + b;
71         return c/2 * (-Math.pow(2, -10 * --t) + 2) + b;
72     },
73     easeInCirc: function (x, t, b, c, d) {
74         return -c * (Math.sqrt(1 - (t/=d)*t) - 1) + b;
75     },
76     easeOutCirc: function (x, t, b, c, d) {
77         return c * Math.sqrt(1 - (t=t/d-1)*t) + b;
78     },
79     easeInOutCirc: function (x, t, b, c, d) {
80         if ((t/=d/2) < 1) return -c/2 * (Math.sqrt(1 - t*t) - 1) + b;
81         return c/2 * (Math.sqrt(1 - (t-=2)*t) + 1) + b;
82     },
83     easeInElastic: function (x, t, b, c, d) {
84         var s=1.70158;var p=0;var a=c;
85         if (t==0) return b; if ((t/=d)==1) return b+c; if (!p) p=d*.3;
86         if (a < Math.abs(c)) { a=c; var s=p/4; }
87         else var s = p/(2*Math.PI) * Math.asin (c/a);
88         return -(a*Math.pow(2,10*(t-=1)) * Math.sin( (t*d-s)*(2*Math.PI)/p )) + b;
89     },
90     easeOutElastic: function (x, t, b, c, d) {
91         var s=1.70158;var p=0;var a=c;
92         if (t==0) return b; if ((t/=d)==1) return b+c; if (!p) p=d*.3;
93         if (a < Math.abs(c)) { a=c; var s=p/4; }
94         else var s = p/(2*Math.PI) * Math.asin (c/a);
95         return a*Math.pow(2,-10*t) * Math.sin( (t*d-s)*(2*Math.PI)/p ) + c + b;
96     },
97     easeInOutElastic: function (x, t, b, c, d) {
98         var s=1.70158;var p=0;var a=c;
99         if (t==0) return b; if ((t/=d/2)==2) return b+c; if (!p) p=d*(.3*1.5);
100        if (a < Math.abs(c)) { a=c; var s=p/4; }
101        else var s = p/(2*Math.PI) * Math.asin (c/a);
102        if (t < 1) return -.5*(a*Math.pow(2,10*(t-=1)) * Math.sin(
103            (t*d-s)*(2*Math.PI)/p )) + b;
104        return a*Math.pow(2,-10*(t-=1)) * Math.sin( (t*d-s)*(2*Math.PI)/p )*.5 + c + b;
105    },
106    easeInBack: function (x, t, b, c, d, s) {
107        if (s == undefined) s = 1.70158;
108        return c*(t/=d)*t*((s+1)*t - s) + b;
109    },
110    easeOutBack: function (x, t, b, c, d, s) {
111        if (s == undefined) s = 1.70158;
112        return c*((t=t/d-1)*t*((s+1)*t + s) + 1) + b;
113    },
114    easeInOutBack: function (x, t, b, c, d, s) {
115        if (s == undefined) s = 1.70158;
116        if ((t/=d/2) < 1) return c/2*(t*t*(((s*(1.525))+1)*t - s)) + b;
117        return c/2*((t-=2)*t*(((s*(1.525))+1)*t + s) + 2) + b;
118    },
119    easeInBounce: function (x, t, b, c, d) {
120        return c - jQuery.easing.easeOutBounce (x, d-t, 0, c, d) + b;
121    },
122    easeOutBounce: function (x, t, b, c, d) {
123        if ((t/=d) < (1/2.75)) {
124            return c*(7.5625*t*t) + b;
125        } else if (t < (2/2.75)) {
126            return c*(7.5625*(t-=(1.5/2.75))*t + .75) + b;
127        } else if (t < (2.5/2.75)) {
128            return c*(7.5625*(t-=(2.25/2.75))*t + .9375) + b;
129        } else {
130            return c*(7.5625*(t-=(2.625/2.75))*t + .984375) + b;
131        }
132    },
133    easeInOutBounce: function (x, t, b, c, d) {
134        if (t < d/2) return jQuery.easing.easeInBounce (x, t*2, 0, c, d) * .5 + b;
135        return jQuery.easing.easeOutBounce (x, t*2-d, 0, c, d) * .5 + c*.5 + b;
136    }
137    });

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