

# HTML

```
<!DOCTYPE html>
<html>

<head>
  <title>Soler System</title>
</head>
<link rel="stylesheet" href="style2.css">

<body class="opening hide-UI view-2D zoom-large data-close controls-close">
  <div id="navbar">
    <a id="toggle-data" href="#data"><i class="icon-data"></i>Data</a>
    <h1>3D Solar System<br>
      <p>
        <marquee>www.fbaroPra.in</marquee>
      </p>
  </div>
  <div id="data">
    <a class="sun" title="sun" href="#sunspeed">Sun</a>
    <a class="mercury" title="mercury" href="#mercuryspeed">Mercury</a>
    <a class="venus" title="venus" href="#venusspeed">Venus</a>
    <a class="earth active" title="earth" href="#earthspeed">Earth</a>
    <a class="mars" title="mars" href="#marsspeed">Mars</a>
    <a class="jupiter" title="jupiter" href="#jupiterspeed">Jupiter</a>
    <a class="saturn" title="saturn" href="#saturnspeed">Saturn</a>
    <a class="uranus" title="uranus" href="#uranusspeed">Uranus</a>
    <a class="neptune" title="neptune" href="#neptunespeed">Neptune</a>
  </div>
  <div id="controls">
    <label class="set-view">
      <input type="checkbox">
    </label>
    <label class="set-zoom">
      <input type="checkbox">
    </label>
    <label>
      <input type="radio" class="set-speed" name="scale" checked>
      <span>Speed</span>
    </label>
    <label>
      <input type="radio" class="set-size" name="scale">
      <span>Size</span>
    </label>
    <label>
      <input type="radio" class="set-distance" name="scale">
      <span>Distance</span>
    </label>
  </div>
```

```
<div id="universe" class="scale-stretched">
  <div id="galaxy">
    <div id="solar-system" class="earth">
      <div id="mercury" class="orbit">
        <div class="pos">
          <div class="planet">
            <dl class="infos">
              <dt>Mercury</dt>
              <dd><span></span></dd>
            </dl>
          </div>
        </div>
      </div>
    </div>
    <div id="venus" class="orbit">
      <div class="pos">
        <div class="planet">
          <dl class="infos">
            <dt>Venus</dt>
            <dd><span></span></dd>
          </dl>
        </div>
      </div>
    </div>
    <div id="earth" class="orbit">
      <div class="pos">
        <div class="orbit">
          <div class="pos">
            <div class="moon"></div>
          </div>
        </div>
        <div class="planet">
          <dl class="infos">
            <dt>Earth</dt>
            <dd><span></span></dd>
          </dl>
        </div>
      </div>
    </div>
    <div id="mars" class="orbit">
      <div class="pos">
        <div class="planet">
          <dl class="infos">
            <dt>Mars</dt>
            <dd><span></span></dd>
          </dl>
        </div>
      </div>
    </div>
  </div>
</div>
```

```
<div id="jupiter" class="orbit">
  <div class="pos">

    <div class="planet">
      <dl class="infos">
        <dt>Jupiter</dt>
        <dd><span></span></dd>
      </dl>
    </div>
  </div>
</div>
<div id="saturn" class="orbit">
  <div class="pos">
    <div class="planet">
      <div class="ring"></div>
      <dl class="infos">
        <dt>Saturn</dt>
        <dd><span></span></dd>
      </dl>
    </div>
  </div>
</div>
<div id="uranus" class="orbit">
  <div class="pos">
    <div class="planet">
      <dl class="infos">
        <dt>Uranus</dt>
        <dd><span></span></dd>
      </dl>
    </div>
  </div>
</div>
<div id="neptune" class="orbit">
  <div class="pos">
    <div class="planet">
      <dl class="infos">
        <dt>Neptune</dt>
        <dd><span></span></dd>
      </dl>
    </div>
  </div>
</div>
<div id="sun">
  <dl class="infos">
    <dt>Sun</dt>
    <dd><span></span></dd>
  </dl>
</div>
</div>
```

```
</div>  
</div>
```

```
<script  
src="//ajax.googleapis.com/ajax/libs/jquery/1.8.1/jquery.min.js"></script>  
<script type="text/javascript">  
  if (typeof jQuery == 'undefined') {  
    document.write(unescape("%3Cscript src='js/jquery.min.js'  
type='text/javascript'%3E%3C/script%3E"));  
  }  
</script>  
<script src="js.js"></script>  
<script src="js.js"></script>  
</body>  
  
</html>
```

## CSS

```
@import url(https://fonts.googleapis.com/css?family=Open+Sans:400,300);
html,
body,
div,
span,
applet,
object,
iframe,
h1,
h2,
h3,
h4,
h5,
h6,
p,
blockquote,
pre,
a,
abbr,
acronym,
address,
big,
cite,
code,
del,
dfn,
em,
img,
ins,
kbd,
q,
s,
samp,
small,
strike,
strong,
sub,
sup,
tt,
var,
b,
u,
i,
center,
dl,
dt,
dd,
ol,
```

```
ul,  
li,  
fieldset,  
form,  
label,  
legend,  
table,  
caption,  
tbody,  
tfoot,  
thead,  
tr,  
th,  
td,  
article,  
aside,  
canvas,  
details,  
embed,  
figure,  
figcaption,  
footer,  
header,  
hgroup,  
menu,  
nav,  
output,  
ruby,  
section,  
summary,  
time,  
mark,  
audio,  
video {  
    border: 0;  
    font-size: 100%;  
    font: inherit;  
    vertical-align: baseline;  
    margin: 0;  
    padding: 0;  
}
```

```
article,  
aside,  
details,  
figcaption,  
figure,  
footer,  
header,  
hgroup,
```

```
menu,
nav,
section {
    display: block;
}

body {
    line-height: 1;
}

ol,
ul {
    list-style: none;
}

blockquote,
q {
    quotes: none;
}

blockquote:before,
blockquote:after,
q:before,
q:after {
    content: none;
}

table {
    border-collapse: collapse;
    border-spacing: 0;
}

* {
    -moz-box-sizing: border-box;
    box-sizing: border-box;
    box-sizing: border-box;
}

body {
    font-size: 10px;
    font-family: 'Open Sans', sans-serif;
    font-weight: 300;
    background-color: #08090A;
}

marquee {
    background-color: silver;
    display: flex;
    color: darkblue;
}
```

```
#universe {
  z-index: 1;
  position: absolute;
  overflow: hidden;
  width: 100%;
  height: 100%;
  background-position: center 40%;
  background-repeat: no-repeat;
  background-size: cover;
}

#galaxy {
  position: relative;
  width: 100%;
  height: 100%;
}

#solar-system {
  position: absolute;
  width: 100%;
  height: 100%;
  transform-style: preserve-3d;
}

.orbit {
  position: absolute;
  top: 50%;
  left: 50%;
  border: 1px solid rgba(255, 255, 255, 0.2);
  border-radius: 50%;
  transform-style: preserve-3d;
  animation-name: orbit;
  animation-iteration-count: infinite;
  animation-timing-function: linear;
}

.orbit .orbit {
  animation-name: suborbit;
}

.pos {
  position: absolute;
  top: 50%;
  width: 2em;
  height: 2em;
  margin-top: -1em;
  margin-left: -1em;
  transform-style: preserve-3d;
  animation-name: invert;
```



```
    animation-iteration-count: infinite;
    animation-timing-function: linear;
}

#sun,
.planet,
#earth .moon {
    position: absolute;
    top: 50%;
    left: 50%;
    width: 1em;
    height: 1em;
    margin-top: -0.5em;
    margin-left: -0.5em;
    border-radius: 50%;
    transform-style: preserve-3d;
}

#sun {
    background-color: #FB7209;
    background-repeat: no-repeat;
    background-size: cover;
    box-shadow: 0 0 60px rgba(255, 160, 60, 0.4);
}

.planet {
    background-color: #202020;
    background-repeat: no-repeat;
    background-size: cover;
    animation-iteration-count: infinite;
    animation-timing-function: linear;
}

.ring {
    position: absolute;
    top: 50%;
    left: 50%;
    border-radius: 50%;
}

#saturn .ring {
    width: 2em;
    height: 2em;
    margin-top: -1em;
    margin-left: -1em;
    border: 0.3em solid rgba(160, 147, 130, 0.7);
    animation-iteration-count: infinite;
    animation-timing-function: linear;
}
```

```
#saturn .ring:after {
  border-radius: 50%;
  position: absolute;
  content: '';
  top: 50%;
  left: 50%;
  width: 2.2em;
  height: 2.2em;
  margin-top: -1.1em;
  margin-left: -1.1em;
  border: 0.07em solid rgba(160, 147, 130, 0.5);
  box-sizing: border-box;
  box-sizing: border-box;
}

#mercury {
  z-index: 10;
}

#venus {
  z-index: 9;
}

#earth {
  z-index: 8;
}

#moon {
  z-index: 7;
}

#mars {
  z-index: 6;
}

#jupiter {
  z-index: 5;
}

#saturn {
  z-index: 4;
}

#uranus {
  z-index: 3;
}

#neptune {
  z-index: 2;
}
```

```
#sun {
  z-index: 1;
}

@keyframes orbit {
  0% {
    transform: rotateZ(0deg);
  }
  100% {
    transform: rotateZ(-360deg);
  }
}

@keyframes suborbit {
  0% {
    transform: rotateX(90deg) rotateZ(0deg);
  }
  100% {
    transform: rotateX(90deg) rotateZ(-360deg);
  }
}

@keyframes invert {
  0% {
    transform: rotateX(-90deg) rotateY(360deg) rotateZ(0deg);
  }
  100% {
    transform: rotateX(-90deg) rotateY(0deg) rotateZ(0deg);
  }
}

.view-3D .opening #sun,
.view-3D .opening .orbit,
.view-3D .opening .pos,
.view-3D .opening .planet,
.view-3D .opening .satelite,
.view-3D .opening .ring {
  transition-duration: 4s;
}

#universe.opening #sun {
  box-shadow: 0 0 0 rgba(255, 160, 60, 0);
}

.view-2D.zoom-large #sun {
  transform-style: flat;
}

.view-2D.zoom-large .orbit {
```

```
    transform-style: flat;
}

.view-2D #sun,
.view-2D .ring {
    transform: rotateX(0deg);
}

.view-2D .planet,
.view-2D .moon {
    transform: rotateX(90deg);
}

.view-3D.zoom-large #sun {
    transform-style: preserve-3d;
}

.view-3D.zoom-large .orbit {
    transform-style: preserve-3d;
}

.view-3D #solar-system {
    transform: rotateX(75deg);
}

.view-3D #sun {
    transform: rotateX(-90deg);
}

.view-3D .ring {
    transform: rotateX(90deg);
}

.view-3D .planet,
.view-3D .moon {
    transform: rotateX(0deg);
}

.zoom-large #solar-system {
    width: 100%;
}

.zoom-large.view-2D .scale-stretched #solar-system {
    font-size: 26%;
}

.zoom-large.view-3D .scale-stretched #solar-system {
    font-size: 62%;
}
```

```
.zoom-large.view-2D .scale-d #solar-system {
  font-size: 22%;
}

.zoom-large.view-3D .scale-d #solar-system {
  font-size: 48%;
}

.zoom-large.view-2D .scale-s #solar-system {
  font-size: 7%;
}

.zoom-large.view-3D .scale-s #solar-system {
  font-size: 14%;
}

.zoom-close #solar-system {
  width: 200%;
  font-size: 100%;
}

.zoom-close .scale-stretched #solar-system {
  margin-left: -100%;
}

.zoom-close .scale-d #solar-system {
  margin-left: -106%;
}

.zoom-close.view-2D .scale-d #solar-system {
  font-size: 84%;
}

.zoom-close.view-3D .scale-d #solar-system {
  font-size: 84%;
}

.zoom-close .scale-s #solar-system {
  margin-left: -145%;
}

.zoom-close.view-2D .scale-s #solar-system {
  font-size: 40%;
}

.zoom-close.view-3D .scale-s #solar-system {
  font-size: 40%;
}

.zoom-close .orbit,
```

```
.zoom-close .pos,  
.zoom-close .planet,  
.zoom-close .satellite,  
.zoom-close .ring {  
  animation-play-state: paused!important;  
  animation-duration: 0s!important;  
  animation: none!important;  
}
```

```
.zoom-close.view-2D .planet,  
.zoom-close.view-2D .moon {  
  transform: rotateX(0deg);  
}
```

```
.zoom-close.view-3D .planet {  
  transform: rotateX(-90deg);  
}
```

```
.zoom-close.view-3D .moon {  
  transform: rotateX(90deg);  
}
```

```
.zoom-close .pos {  
  left: 100%!important;  
  top: 50%!important;  
}
```

```
#mercury .pos,  
#mercury .planet,  
#mercury.orbit {  
  animation-duration: 2.89016s;  
}
```

```
#venus .pos,  
#venus .planet,  
#venus.orbit {  
  animation-duration: 7.38237s;  
}
```

```
#earth .pos,  
#earth .planet,  
#earth.orbit {  
  animation-duration: 12.00021s;  
}
```

```
#earth .orbit .pos,  
#earth .orbit {  
  animation-duration: 0.89764s;  
}
```

```
#mars .pos,  
#mars .planet,  
#mars.orbit {  
    animation-duration: 22.57017s;  
}  
  
#jupiter .pos,  
#jupiter .planet,  
#jupiter.orbit {  
    animation-duration: 142.35138s;  
}  
  
#saturn .pos,  
#saturn .planet,  
#saturn.orbit,  
#saturn .ring {  
    animation-duration: 353.36998s;  
}  
  
#uranus .pos,  
#uranus .planet,  
#uranus.orbit {  
    animation-duration: 1008.20215s;  
}  
  
#neptune .pos,  
#neptune .planet,  
#neptune.orbit {  
    animation-duration: 1977.49584s;  
}  
  
.scale-stretched #sun {  
    font-size: 24em;  
}  
  
.scale-stretched #mercury .planet {  
    font-size: 1.5em;  
}  
  
.scale-stretched #venus .planet {  
    font-size: 3.72em;  
}  
  
.scale-stretched #earth .planet {  
    font-size: 3.92em;  
}  
  
.scale-stretched #earth .moon {  
    font-size: 1.2em;  
}
```

```
.scale-stretched #mars .planet {  
  font-size: 2.9em;  
}  
  
.scale-stretched #jupiter .planet {  
  font-size: 12em;  
}  
  
.scale-stretched #saturn .planet {  
  font-size: 10.8em;  
}  
  
.scale-stretched #uranus .planet {  
  font-size: 4.68em;  
}  
  
.scale-stretched #neptune .planet {  
  font-size: 4.9em;  
}  
  
.scale-d #sun {  
  font-size: 41.73048em;  
}  
  
.scale-d #mercury .planet {  
  font-size: 0.14634em;  
}  
  
.scale-d #venus .planet {  
  font-size: 0.36306em;  
}  
  
.scale-d #earth .planet {  
  font-size: 0.38226em;  
}  
  
.scale-d #earth .moon {  
  font-size: 0.08226em;  
}  
  
.scale-d #mars .planet {  
  font-size: 0.20334em;  
}  
  
.scale-d #jupiter .planet {  
  font-size: 4.19466em;  
}  
  
.scale-d #saturn .planet {
```



```
    font-size: 3.49392em;
}

.scale-d #uranus .planet {
    font-size: 1.52172em;
}

.scale-d #neptune .planet {
    font-size: 1.47732em;
}

.scale-s #sun {
    font-size: 417.3048em;
}

.scale-s #mercury .planet {
    font-size: 1.4634em;
}

.scale-s #venus .planet {
    font-size: 3.6306em;
}

.scale-s #earth .planet {
    font-size: 3.8226em;
}

.scale-s #earth .moon {
    font-size: 0.8226em;
}

.scale-s #mars .planet {
    font-size: 2.0334em;
}

.scale-s #jupiter .planet {
    font-size: 41.9466em;
}

.scale-s #saturn .planet {
    font-size: 34.9392em;
}

.scale-s #uranus .planet {
    font-size: 15.2172em;
}

.scale-s #neptune .planet {
    font-size: 14.7732em;
}
```

```
/* -----  
stretched orbits */  
  
.scale-stretched #mercury.orbit {  
    width: 32em;  
    height: 32em;  
    margin-top: -16em;  
    margin-left: -16em;  
}  
  
.scale-stretched #venus.orbit {  
    width: 40em;  
    height: 40em;  
    margin-top: -20em;  
    margin-left: -20em;  
}  
  
.scale-stretched #earth.orbit {  
    width: 56em;  
    height: 56em;  
    margin-top: -28em;  
    margin-left: -28em;  
}  
  
.scale-stretched #earth .orbit {  
    width: 6em;  
    height: 6em;  
    margin-top: -3em;  
    margin-left: -3em;  
}  
  
.scale-stretched #mars.orbit {  
    width: 72em;  
    height: 72em;  
    margin-top: -36em;  
    margin-left: -36em;  
}  
  
.scale-stretched #jupiter.orbit {  
    width: 100em;  
    height: 100em;  
    margin-top: -50em;  
    margin-left: -50em;  
}  
  
.scale-stretched #saturn.orbit {  
    width: 150em;  
    height: 150em;
```

```
margin-top: -75em;
margin-left: -75em;
}

.scale-stretched #uranus.orbit {
width: 186em;
height: 186em;
margin-top: -93em;
margin-left: -93em;
}

.scale-stretched #neptune.orbit {
width: 210em;
height: 210em;
margin-top: -105em;
margin-left: -105em;
}

/* -----
scaled orbits */

/* -----
distance scale orbits */

.scale-d #mercury.orbit {
width: 44.74176em;
height: 44.74176em;
margin-top: -22.37088em;
margin-left: -22.37088em;
}

.scale-d #venus.orbit {
width: 47.35737em;
height: 47.35737em;
margin-top: -23.67869em;
margin-left: -23.67869em;
}

.scale-d #earth.orbit {
width: 49.50959em;
height: 49.50959em;
margin-top: -24.75479em;
margin-left: -24.75479em;
}

.scale-d #mars.orbit {
width: 53.58356em;
height: 53.58356em;
```

```
margin-top: -26.79178em;
margin-left: -26.79178em;
}

.scale-d #jupiter.orbit {
width: 82.2042em;
height: 82.2042em;
margin-top: -41.1021em;
margin-left: -41.1021em;
}

.scale-d #saturn.orbit {
width: 115.91713em;
height: 115.91713em;
margin-top: -57.95857em;
margin-left: -57.95857em;
}

.scale-d #uranus.orbit {
width: 191.00471em;
height: 191.00471em;
margin-top: -95.50235em;
margin-left: -95.50235em;
}

.scale-d #neptune.orbit {
width: 275.64709em;
height: 275.64709em;
margin-top: -137.82355em;
margin-left: -137.82355em;
}

/* Moon */

.scale-d #earth .orbit {
width: 1em;
height: 1em;
margin-top: -0.5em;
margin-left: -0.5em;
}

/* -----
size scale orbits */

.scale-s #mercury.orbit {
width: 441.3048em;
height: 441.3048em;
margin-top: -220.6524em;
```

```
margin-left: -220.6524em;
}

.scale-s #venus.orbit {
width: 457.3048em;
height: 457.3048em;
margin-top: -228.6524em;
margin-left: -228.6524em;
}

.scale-s #earth.orbit {
width: 473.3048em;
height: 473.3048em;
margin-top: -236.6524em;
margin-left: -236.6524em;
}

.scale-s #mars.orbit {
width: 489.3048em;
height: 489.3048em;
margin-top: -244.6524em;
margin-left: -244.6524em;
}

.scale-s #jupiter.orbit {
width: 561.3048em;
height: 561.3048em;
margin-top: -280.6524em;
margin-left: -280.6524em;
}

.scale-s #saturn.orbit {
width: 705.3048em;
height: 705.3048em;
margin-top: -352.6524em;
margin-left: -352.6524em;
}

.scale-s #uranus.orbit {
width: 817.3048em;
height: 817.3048em;
margin-top: -408.6524em;
margin-left: -408.6524em;
}

.scale-s #neptune.orbit {
width: 881.3048em;
height: 881.3048em;
margin-top: -440.6524em;
margin-left: -440.6524em;
```

```
}

/* Moon */

.scale-s #earth .orbit {
  width: 1em;
  height: 1em;
  margin-top: -0.5em;
  margin-left: -0.5em;
}

/* -----
text infos data */

/* -----
speed */

.set-speed dl.infos dd span:after {
  content: 'Orbit Velocity';
}

.set-speed #sun dl.infos dd:after {
  content: '0 km/h';
}

.set-speed #mercury dl.infos dd:after {
  content: '170,503 km/h';
}

.set-speed #venus dl.infos dd:after {
  content: '126,074 km/h';
}

.set-speed #earth dl.infos dd:after {
  content: '107,218 km/h';
}

.set-speed #mars dl.infos dd:after {
  content: '86,677 km/h';
}

.set-speed #jupiter dl.infos dd:after {
  content: '47,002 km/h';
}

.set-speed #saturn dl.infos dd:after {
  content: '34,701 km/h';
}
```

```
}

.set-speed #uranus dl.infos dd:after {
  content: '24,477 km/h';
}

.set-speed #neptune dl.infos dd:after {
  content: '19,566 km/h';
}

/* -----
size */

.set-size dl.infos dd span:after {
  content: 'Equatorial Circumference';
}

.set-size #sun dl.infos dd:after {
  content: '4,370,005 km';
}

.set-size #mercury dl.infos dd:after {
  content: '15,329 km';
}

.set-size #venus dl.infos dd:after {
  content: '38,024 km';
}

.set-size #earth dl.infos dd:after {
  content: '40,030 km';
}

.set-size #mars dl.infos dd:after {
  content: '21,296 km';
}

.set-size #jupiter dl.infos dd:after {
  content: '439,263 km';
}

.set-size #saturn dl.infos dd:after {
  content: '365,882 km';
}

.set-size #uranus dl.infos dd:after {
  content: '159,354 km';
}
```

```
.set-size #neptune dl.infos dd:after {
    content: '154,704 km';
}

/* -----
distance */

.set-distance dl.infos dd span:after {
    content: 'From Sun';
}

.set-distance #sun dl.infos dd span:after {
    content: 'From Earth';
}

.set-distance #sun dl.infos dd:after {
    content: '149,598,262 km';
}

.set-distance #mercury dl.infos dd:after {
    content: '57,909,227 km';
}

.set-distance #venus dl.infos dd:after {
    content: '108,209,475 km';
}

.set-distance #earth dl.infos dd:after {
    content: '149,598,262 km';
}

.set-distance #mars dl.infos dd:after {
    content: '227,943,824 km';
}

.set-distance #jupiter dl.infos dd:after {
    content: '778,340,821 km';
}

.set-distance #saturn dl.infos dd:after {
    content: '1,426,666,422 km';
}

.set-distance #uranus dl.infos dd:after {
    content: '2,870,658,186 km';
}

.set-distance #neptune dl.infos dd:after {
    content: '4,498,396,441 km';
}
```



```

}

/* -----
planets starting position and lighting effect */

/* -----
mercury ; pos: Top */

#mercury .pos {
  left: 50%;
  top: -1%;
}

#mercury .planet {
  animation-name: shadow-mercury;
}

@keyframes shadow-mercury {
  0% {
    box-shadow: inset 0 0 1px rgba(0, 0, 0, 0.5);
    /* TOP */
  }
  25% {
    box-shadow: inset 4px 0 2px rgba(0, 0, 0, 0.5);
    /* LEFT */
  }
  50% {
    box-shadow: inset 13px -5px 4px rgba(0, 0, 0, 0.5);
    /* BOTTOM */
  }
  50.01% {
    box-shadow: inset -13px -5px 4px rgba(0, 0, 0, 0.5);
    /* BOTTOM */
  }
  75% {
    box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
    /* RIGHT */
  }
  100% {
    box-shadow: inset 0 0 1px rgba(0, 0, 0, 0.5);
    /* TOP */
  }
}

.scaled.view-2D #mercury .planet,
.scaled.view-3D #mercury .planet {
  box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
  /* RIGHT */
}

```

```

}

/* -----
venus ; pos: Left */

#venus .pos {
  left: 0;
  top: 50%;
}

#venus .planet {
  animation-name: shadow-venus;
}

@keyframes shadow-venus {
  0% {
    box-shadow: inset 4px 0 2px rgba(0, 0, 0, 0.5);
    /* LEFT */
  }
  25% {
    box-shadow: inset 22px -20px 10px rgba(0, 0, 0, 0.5);
    /* BOTTOM */
  }
  25.5% {
    box-shadow: inset -22px -20px 10px rgba(0, 0, 0, 0.5);
    /* BOTTOM */
  }
  50% {
    box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
    /* RIGHT */
  }
  75% {
    box-shadow: inset 0 0 1px rgba(0, 0, 0, 0.5);
    /* TOP */
  }
  100% {
    box-shadow: inset 4px 0 2px rgba(0, 0, 0, 0.5);
    /* LEFT */
  }
}

.scaled.view-2D #venus .planet,
.scaled.view-3D #venus .planet {
  box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
  /* RIGHT */
}

```

```

/* -----
earth ; pos: Right */

#earth .pos {
    left: 100%;
    top: 50%;
}

#earth .planet {
    animation-name: shadow-earth;
}

@keyframes shadow-earth {
    0% {
        box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
        /* RIGHT */
    }
    25% {
        box-shadow: inset 0 0 1px rgba(0, 0, 0, 0.5);
        /* TOP */
    }
    50% {
        box-shadow: inset 4px 0 2px rgba(0, 0, 0, 0.5);
        /* LEFT */
    }
    75% {
        box-shadow: inset 24px -20px 15px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    75.01% {
        box-shadow: inset -24px -20px 15px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    100% {
        box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
        /* RIGHT */
    }
}

.scaled.view-2D #earth .planet,
.scaled.view-3D #earth .planet {
    box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
    /* RIGHT */
}

/* -----
moon */

#earth .orbit .pos {

```

```

    left: 100%;
    top: 50%;
}

/* -----
mars ; pos: Bottom */

#mars .pos {
    left: 50%;
    top: 100%;
}

#mars .planet {
    animation-name: shadow-mars;
}

@keyframes shadow-mars {
    0% {
        box-shadow: inset -18px -10px 10px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    25% {
        box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
        /* RIGHT */
    }
    50% {
        box-shadow: inset 0 1px 1px rgba(0, 0, 0, 0.5);
        /* TOP */
    }
    75% {
        box-shadow: inset 4px 0 2px rgba(0, 0, 0, 0.5);
        /* LEFT */
    }
    99.99% {
        box-shadow: inset 18px -10px 10px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    100% {
        box-shadow: inset -18px -10px 10px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
}

.scaled.view-2D #mars .planet,
.scaled.view-3D #mars .planet {
    box-shadow: inset -4px 0 2px rgba(0, 0, 0, 0.5);
    /* RIGHT */
}

```

```
/* -----  
jupiter ; pos: Right */  
  
#jupiter .pos {  
  left: 100%;  
  top: 50%;  
}  
  
#jupiter .planet {  
  animation-name: shadow-jupiter;  
}  
  
@keyframes shadow-jupiter {  
  0% {  
    box-shadow: inset -16px 0 5px rgba(0, 0, 0, 0.5);  
    /* RIGHT */  
  }  
  25% {  
    box-shadow: inset 0 3px 2px rgba(0, 0, 0, 0.5);  
    /* TOP */  
  }  
  50% {  
    box-shadow: inset 16px 0 5px rgba(0, 0, 0, 0.5);  
    /* LEFT */  
  }  
  75% {  
    box-shadow: inset 94px -30px 40px rgba(0, 0, 0, 0.5);  
    /* BOTTOM */  
  }  
  75.01% {  
    box-shadow: inset -94px -30px 40px rgba(0, 0, 0, 0.5);  
    /* BOTTOM */  
  }  
  100% {  
    box-shadow: inset -16px 0 5px rgba(0, 0, 0, 0.5);  
    /* RIGHT */  
  }  
}  
  
.scaled.view-2D #jupiter .planet,  
.scaled.view-3D #jupiter .planet {  
  box-shadow: inset -16px 0 5px rgba(0, 0, 0, 0.5);  
  /* RIGHT */  
}  
  
/* -----  
saturn ; pos: Left */
```

```

#saturn .pos {
  left: 0%;
  top: 50%;
}

#saturn .planet {
  animation-name: shadow-saturn;
}

@keyframes shadow-saturn {
  0% {
    box-shadow: inset 16px 0 5px rgba(0, 0, 0, 0.5);
    /* LEFT */
  }
  25% {
    box-shadow: inset 80px -30px 50px rgba(0, 0, 0, 0.5);
    /* BOTTOM */
  }
  25.01% {
    box-shadow: inset -94px -30px 40px rgba(0, 0, 0, 0.5);
    /* BOTTOM */
  }
  50% {
    box-shadow: inset -16px 0 5px rgba(0, 0, 0, 0.5);
    /* RIGHT */
  }
  75% {
    box-shadow: inset -2px 3px 2px rgba(0, 0, 0, 0.5);
    /* TOP */
  }
  100% {
    box-shadow: inset 16px 0 5px rgba(0, 0, 0, 0.5);
    /* LEFT */
  }
}

.scaled.view-2D #saturn .planet,
.scaled.view-3D #saturn .planet {
  box-shadow: inset -16px 0 5px rgba(0, 0, 0, 0.5);
  /* RIGHT */
}

/* -----
saturn ring */

/*

#saturn .ring { animation-name: shadow-saturn-ring; }

```

```

@keyframes
shadow-saturn-ring{ 0%    { box-shadow: inset -16px 0      4px  rgba(20, 40,
50, 0.45); opacity: .4; }
                    25%    { box-shadow: inset -5px    -30px  12px  rgba(20, 40,
50, 0.3);  opacity: 1; }
                    25.01% { box-shadow: inset 5px     -30px  12px  rgba(20, 40,
50, 0.3);  opacity: 1; }
                    50%     { box-shadow: inset 16px    0      4px  rgba(20, 40,
50, 0.45); opacity: .4; }
                    75%     { box-shadow: inset 0       30px  50px  rgba(20, 40, 50,
0);  opacity: .3; }
                    100%    { box-shadow: inset -16px 0      4px  rgba(20, 40,
50, 0.45); opacity: .4; }
                    }

.scaled.view-2D #saturn .ring,
.scaled.view-3D #saturn .ring { box-shadow: inset 16px  0      4px  rgba(20,
40, 50, 0.6); }

*/

/* -----
uranus ; pos: Left */

#uranus .pos {
    left: 0;
    top: 50%;
}

#uranus .planet {
    animation-name: shadow-uranus;
}

@keyframes shadow-uranus {
    0% {
        box-shadow: inset 8px 0 5px rgba(0, 0, 0, 0.5);
        /* LEFT */
    }
    25% {
        box-shadow: inset 40px -15px 40px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    25.01% {
        box-shadow: inset -40px -15px 40px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    50% {
        box-shadow: inset -8px 0 5px rgba(0, 0, 0, 0.5);

```

```

        /* RIGHT */
    }
    75% {
        box-shadow: inset 0 0 2px rgba(0, 0, 0, 0.5);
        /* TOP */
    }
    100% {
        box-shadow: inset 8px 0 5px rgba(0, 0, 0, 0.5);
        /* LEFT */
    }
}

.scaled.view-2D #uranus .planet,
.scaled.view-3D #uranus .planet {
    box-shadow: inset -8px 0 5px rgba(0, 0, 0, 0.5);
    /* RIGHT */
}

/* -----
neptune ; pos: Top */

#neptune .pos {
    left: 50%;
    top: 0;
}

#neptune .planet {
    animation-name: shadow-neptune;
}

@keyframes shadow-neptune {
    0% {
        box-shadow: inset 0 0 2px rgba(0, 0, 0, 0.5);
        /* TOP */
    }
    25% {
        box-shadow: inset 12px 0 5px rgba(0, 0, 0, 0.5);
        /* LEFT */
    }
    50% {
        box-shadow: inset 50px -15px 40px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    50.01% {
        box-shadow: inset -50px -15px 40px rgba(0, 0, 0, 0.5);
        /* BOTTOM */
    }
    75% {
        box-shadow: inset -12px 0 5px rgba(0, 0, 0, 0.5);

```



```

        /* RIGHT */
    }
    100% {
        box-shadow: inset 0 0 2px rgba(0, 0, 0, 0.5);
        /* TOP */
    }
}

```

```

.scaled.view-2D #neptune .planet,
.scaled.view-3D #neptune .planet {
    box-shadow: inset -12px 0 5px rgba(0, 0, 0, 0.5);
    /* RIGHT */
}

```

```

/* -----
DEBUG
.pos,
.planet,
.orbit,
.ring { animation-duration: 20s!important; }

/* */

```

```

/* -----
navigation styles */

```

```

dl.infos {
    position: absolute;
    display: block;
    opacity: 0;
    width: 100%;
    height: 100%;
    margin-top: -90%;
    margin-left: 90%;
    padding-left: 100%;
    transform-origin: 100% 100%;
    transform-style: preserve-3d;
    transform: rotateX(90deg);
}

```

```

dl.infos:before {
    position: absolute;
    content: '';
    width: 15px;
    height: 30px;
    left: 15px;
    bottom: 0;
    border-top: 1px solid white;
}

```

```
border-left: 1px solid white;
transform-style: preserve-3d;
transform: skew(-45deg, 0deg);
box-shadow: inset 1px 1px black;
}

dl.infos dt {
  position: absolute;
  left: 50px;
  margin-bottom: 26px;
  bottom: 30px;
  color: #FFF;
  font-size: 14px;
  text-shadow: 1px 1px 2px black;
}

dl.infos dd:after {
  position: absolute;
  left: 50px;
  bottom: 30px;
  width: 300px;
  color: #FFF;
  font-size: 22px;
  text-shadow: 1px 1px 2px black;
}

dl.infos dd span:after {
  position: absolute;
  left: 50px;
  bottom: 14px;
  width: 300px;
  color: #FFF;
  font-size: 11px;
  text-shadow: 1px 1px 2px black;
}

.sun #sun .infos,
.mercury #mercury .infos,
.venus #venus .infos,
.earth #earth .infos,
.mars #mars .infos,
.jupiter #jupiter .infos,
.saturn #saturn .infos,
.uranus #uranus .infos,
.neptune #neptune .infos {
  display: block;
  opacity: 1;
  transform: rotateX(0deg);
}
```

```
.mercury #mercury.orbit,
.venus #venus.orbit,
.earth #earth.orbit,
.mars #mars.orbit,
.jupiter #jupiter.orbit,
.saturn #saturn.orbit,
.uranus #uranus.orbit,
.neptune #neptune.orbit {
    border: 1px solid rgba(255, 255, 255, 0.8);
}

.hide-UI h1,
.hide-UI #data,
.hide-UI dl.infos,
.hide-UI #controls {
    opacity: 0 !important;
    margin-top: -30px;
}

.hide-UI #data {
    margin-bottom: -30px;
}

.hide-UI .orbit {
    border: 1px solid rgba(255, 255, 255, 0.2) !important;
}

h1 {
    width: 100%;
    font-weight: 600;
    font-size: 14px;
    text-align: center;
    color: rgba(255, 255, 255, 0.8);
}

h1 span,
#navbar h1 a {
    display: inline;
    position: relative;
    padding: 0;
    font-weight: 300;
    font-size: 14px;
    text-align: center;
    color: rgba(255, 255, 255, 0.5);
}

#navbar,
#controls,
```

```
#data {
    background: rgba(0, 0, 0, 0.4);
}

#navbar {
    z-index: 99;
    position: absolute;
    top: 0;
    left: 0;
    padding: 16px;
    width: 100%;
    height: 48px;
}

#navbar a,
#data a,
#controls label {
    color: rgba(255, 255, 255, 0.6);
    display: block;
    position: relative;
    text-decoration: none;
}

#navbar a:hover,
#data a:hover,
#controls label:hover {
    color: #FFF;
}

#data a.active {
    color: #0CF;
}

#navbar a {
    position: absolute;
    top: 0;
    height: 48px;
    padding: 16px;
    font-size: 14px;
}

#toggle-data {
    left: 0;
}

#toggle-controls {
    right: 0;
}

#data,
#controls {
    z-index: 99;
    position: fixed;
    opacity: 1;
    top: 49px;
    padding: 16px;
}

.data-close #data {
```

```
    left: -100%;
}
.data-open #data {
    left: 0px;
}
.controls-close #controls {
    right: -100%;
}
.controls-open #controls {
    right: 0px;
}
#data a {
    margin-bottom: 1px;
    padding: 6px 10px;
    font-size: 18px;
}
#controls label {
    opacity: .6;
    height: 24px;
    margin-bottom: 28px;
}
#controls label:hover {
    opacity: 1;
}
#controls label:before {
    position: absolute;
    display: block;
    width: 20px;
    height: 20px;
    margin-top: 3px;
    text-align: center;
    color: #FFF;
    z-index: 99;
}
#controls label span {
    display: block;
    margin-left: 36px;
    padding-top: 4px;
    font-size: 18px;
    color: #FFF;
}
#controls input {
    display: block;
    appearance: none;
}
#controls input[type="radio"]:before {
    content: '';
    display: block;
    position: absolute;
    width: 22px;
```

```
    height: 22px;
    border: 2px solid #FFF;
    border-radius: 16px;
}
#controls input:checked[type="radio"]:after {
    content: '';
    display: block;
    top: 3px;
    margin-left: 3px;
    position: absolute;
    width: 20px;
    height: 20px;
    border-radius: 10px;
    background: #FFF;
    z-index: 99;
}
#controls input[type="checkbox"]:before {
    content: '';
    display: block;
    position: absolute;
    width: 100px;
    height: 22px;
    border: 2px solid #FFF;
    border-radius: 16px;
}
#controls input[type="checkbox"]:after {
    content: '';
    display: block;
    top: 3px;
    position: absolute;
    width: 20px;
    height: 20px;
    border-radius: 10px;
    background: #FFF;
    z-index: 99;
}
#controls label.set-view:before {
    font: bold small-caps 11px/20px sans-serif;
}
.view-3D #controls label.set-view:before {
    content: '2D';
    margin-left: 82px;
}
.view-2D #controls label.set-view:before {
    content: '3D';
    margin-left: 7px;
}
.view-3D #controls .set-view input:after {
    margin-left: 3px;
}
```

```

.view-2D #controls .set-view input:after {
    margin-left: 81px;
}
#controls label.set-zoom:before {
    font: normal small-caps 18px/14px sans-serif;
}
.zoom-large #controls label.set-zoom:before {
    content: '+';
    margin-left: 82px;
}
.zoom-close #controls label.set-zoom:before {
    content: '-';
    margin-left: 7px;
}
.zoom-large #controls .set-zoom input:after {
    margin-left: 3px;
}
.zoom-close #controls .set-zoom input:after {
    margin-left: 81px;
}

/* -----
transitions */
.pos {
    transition-property: top, left;
}
#solar-system,
.orbit,
.planet,
.satelite,
.ring {
    transition-property: width, height, top, left, margin-left, margin-top,
webkit-transform;
}
#sun,
.icon {
    transition-property: width, height, webkit-transform;
}
#solar-system,
#sun,
.orbit,
.pos,
.planet,
.satelite,
.ring,
.infos,
.icon {
    transition-duration: .8s;
    transition-timing-function: ease-in-out;
}

```

```
#solar-system,
#sun,
.planet,
.satelite,
.ring {
    transition-delay: 0s;
}
.pos {
    transition-delay: 1s;
}
.opening #solar-system,
.opening #sun,
.opening .orbit,
.opening .pos,
.opening .planet,
.opening .satelite,
.opening .ring,
.opening .infos,
.opening h1,
.opening #data,
.opening dl.infos,
.opening #controls {
    transition-duration: 0s;
    transition-delay: 0s;
}
.opening .pos {
    transition-delay: 0s;
}
h1,
#data,
#controls {
    transition-property: opacity, margin;
    transition-duration: .8s;
    transition-timing-function: ease-in-out;
}
h1 {
    transition-delay: .35s;
}
#data {
    transition-delay: .7s;
}
#controls {
    transition-delay: 1s;
}

/* -----
images */
body {
    background-image:
url(
```



EAALGPC/xhBQAAADBQTRFYmJhPz8/Li4uIyMjGxsaFBQUEBAQDQwMCgoKBwcHBAQDBQUFAwMCAgIBAQQ  
EAAAAA26JuQQAAGw5JREFUeNo8vGtwW8eZLYqc06fu3/iRzDn/4kfs5NzHiSNLsjNz7kxiS5byrNh6+p  
WKLUqinzWxJZF63oktkiAlsc6xROKNqhnLEkAAu24mlgmSAKruxLYA7sePiS0C2Ht31Z3EIoC9u6vusS  
ViY3f3XQ3Nuaw4ki0K3Lv76+9b31rr64jtGDphoWnIyVNSOCbpj0vZNfhCXVulWwtJy2ucvMJ/6vm83Gk  
+8abfcjw4TwzLPdJlGUjBkICuINATjTHJH+g4Vfo+7UvoMn7dQpF7NlaHGqUupT2mN0D/NdqTFpbWWEa  
7jr07MCj+WfCUP9wtH2ibdmLVjEd92dWF2rTazhUsdx+1FKRWiR1Y/f9zXqS35ez+gpihR37mqSZENNO  
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```

```
wuZp08hti0mvdJ8z5budHssUwWwcbbrphoTLI5DLzHxQ8M8wRrFn7GRNbpzyVYnXU45x+nK1lfw+/3i40
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Fp9T8/evX6ENlh/DgY6f96i0zlcTi7ee1h/cnjcP8BkM+p2RQxTewAAAAASUVORK5CYII=);
}
#saturn .planet {
    background-image:
url(
EAALGPC/xhBQAAAMBTFRF4tGvn5N8u62TzLufzbyew7OYtKeNtKe0sqWMqZyEuauRuqySvK2TuqyRAA
AAvbGZnJB618ao0MCiyrmbuKeLv70buq6WoZV+raKKuKyT59Wz1MasyLuj18mtxbmgwradpZqC2ut3s
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D/ecgje0hdCBE4IzHBalyOWCH1W4ckTVzQfNP6hsihGvqfv/YKVMjkgNx/gBRiFa0CSNTQnqpod2yhiE
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2aTRWA652BS40dFFTBSWJId0T1PUjmjLH0cRUvuvSR7Pry2bTiGy1pncYV0v6UyHKfZroUyZGNCSZp1
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hXX44IbjJe88mEIAVwbBETMTSwDhLh1b4eY1ze0JF69gjkWkbcCNN7ItI0xyYGDp//6Zj1mEgHmvD8Dv
```



```
kUzy2LnWUcN×TM40j8zwdBx8Q3RbZTVWmEibcikPYIjUbhu6MqIZpkv7UsMiGkdI6NxI5tzMTG5feHaY
bYlGXzJr5TFTFSiBkjhxuXfz3uAzGjUpGUHyyOQRoZeWPpx3RX+uFA8uTG+m1WjlTRlNKZRBtpwwIbj3
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vzwbj6fWPq0qWdPEdVjv/PwThZXhy3tf6SQR6mudI/fblwcpNN0ZwX///tywX9+uPyhIkWlrj84euP/w
DRZY/wEAmLygAAAABJR5ErkJggg==);
}
#uranus .planet {
    background-image:
url(
EAALGPC/xhBQAAAGBQTFRFaYGTZn6RZX6QcIibaYKVaICSYHqOao0VaIGTbYWXXZ2PAAAAao0Wf5qttc
bUd5Cke5Wor8HQcoueprvLhqG2gp2yo7jJqr7NoLbHkqy+nLPEla7AkKq9jae7iqW5mbDC+OnylgAAAA
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sMyQivXpgTTa6AjZyAUooHqY0+PDvSkJn6ZNwFowDnVk5sCNgdYEAIXXDMHQBIwTw8722LbwsMjBhGZk
MJfd3sADjRABsvXwA0+E5dfGjDoH4kgJggicjOGQBIbZf0YYHY30Ie/G0J0FhGAqIg6giHA0QMdixe5g
761FZZAdYmSCJyAaAHSBI1Bj7qy5NPU79FQmvJgAmMo4bxn01RRFbDdEBzZ2+/GQEIiSNzMT0XFzS9Vq
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eMVRROdoeHANMW/asacUc5qAkpCEjk4UKAX0LA2gPgqgQa8WgRhsUEC4IALhHg1xhaAK+RcLsu1aAAtw
ZUBIQ1IBGiBQ+E4RUQEkDqMCxBH0jCq77FUQHPHxbgJEzaigi4fwa0bwDSDqWTWzN7DeJCeCjg3r4JIr
Og+s6ZCwjJd8DjNqsjAUgjCgkxYMNdStGiQjGyQ57J1zo4aikHvTuDi6cxVaKC0qFOH1glVn1W8CxMuN
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8fKcRHS7Gmby8AAAAASUVORK5CYII=);
}
#neptune .planet {
    background-image:
url(
EAALGPC/xhBQAAAGBQTFRFZogYU2ybWHKiU2yZV3CgVm+eVm+dV3GhVG2bAAAAmLjs1bbqk7ToZIO3ao
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5zrxmxBWpusz7nnQNY1UWbvUYubS2ScjJgMxD/2MH+/1G3aeByHs6xmTaY2R/DwL94UESnj56Co5cW/w
M2DuMo3N5z8NWyB4KZuJe2Lug1qIEUBNht1q/IuwqCL+SypvDDyb9h6Dqj8BpHvgdydoc6YZ0By1t5KT
nY2BkI6/gDZXELr988zY07Q245yAE7GhQRG+QPU7VozsbRzckxONZ1j91cGorh9o3L3hK6aVm50mfe2e
OfZvg1shsV1G0Ld5gnF7qJpJoVC8p93m4gRUNS14iaWsBdkvToJgQld7uRjCDzgLVojtZNmpwQTXDrzn
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```



```
eMHDzXvnKLH5B3/13vU5hu8AvXRy44+lWvG0NuH7gi6s2Bo6PCwHVDyG1dfCHO7h2NyxMmCN5i0JVpIW
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J1rQAAAAABJR5ErkJggg==);
```

```
}
```

```
/* -----
```

```
responsive styles */
```

```
@media screen and (max-width: 299px) {
```

```
  #universe {
```

```
    font-size: 20%;
```

```
  }
```

```
}
```

```
@media screen and (min-width: 300px) {
```

```
  #universe {
```

```
    font-size: 24%;
```

```
  }
```

```
}
```

```
@media screen and (min-width: 500px) {
```

```
  #universe {
```

```
    font-size: 36%;
```

```
  }
```

```
}
```

```
@media screen and (min-width: 600px) {
```

```
  #universe {
```

```
    font-size: 44%;
```

```
  }
```

```
}
```

```
@media screen and (min-width: 760px) {
```

```
  #universe {
```

```
    font-size: 58%;
```

```
  }
```

```
}
```

```
@media screen and (min-width: 1000px) {
```

```
  #universe {
```

```
    font-size: 73%;
```

```
  }
```

```
  #navbar,
```

```
  #controls,
```

```
  #data {
```

```
    background: transparent;
```

```
  }
```

```
  #navbar a {
```

```
        display: none;
    }

    h1 {
        font-size: 22px;
        margin-top: 8px;
    }

    #controls {
        padding-right: 32px;
        top: 12px;
    }

    #data {
        position: fixed;
        top: inherit;
        bottom: 0;
        width: 100%;
        text-align: center;
    }

    #data a {
        display: inline-block;
        text-align: center;
        font-size: 20px;
        padding: 15px 15px;
    }

    .data-open #data,
    .data-close #data {
        left: 0px;
    }

    .controls-open #controls,
    .controls-close #controls {
        right: 0px;
    }
}

@media screen and (min-width: 1300px) {
    #universe {
        font-size: 100%;
    }
}

@media screen and (min-width: 1600px) {
    .zoom-close .scale-d #solar-system {
        margin-left: -120%;
    }
}
```

## SCRIPT

```
$(window).load(function() {

    var body = $("body"),
        universe = $("#universe"),
        solarsys = $("#solar-system");

    var init = function() {
        body.removeClass('view-2D opening').addClass("view-3D").delay(2000).queue(function() {
            $(this).removeClass('hide-UI').addClass("set-speed");
            $(this).dequeue();
        });
    };

    var setView = function(view) { universe.removeClass().addClass(view); };

    $("#toggle-data").click(function(e) {
        body.toggleClass("data-open data-close");
        e.preventDefault();
    });

    $("#toggle-controls").click(function(e) {
        body.toggleClass("controls-open controls-close");
        e.preventDefault();
    });

    $("#data a").click(function(e) {
        var ref = $(this).attr("class");
        solarsys.removeClass().addClass(ref);
        $(this).parent().find('a').removeClass('active');
        $(this).addClass('active');
        e.preventDefault();
    });

    $(".set-view").click(function() { body.toggleClass("view-3D view-2D"); });
    $(".set-zoom").click(function() { body.toggleClass("zoom-large zoom-close");
});
    $(".set-speed").click(function() { setView("scale-stretched set-speed"); });
    $(".set-size").click(function() { setView("scale-s set-size"); });
    $(".set-distance").click(function() { setView("scale-d set-distance"); });

    init();

});
```