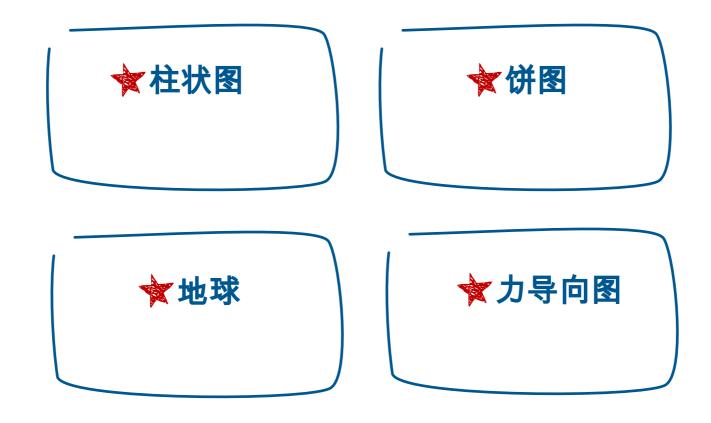
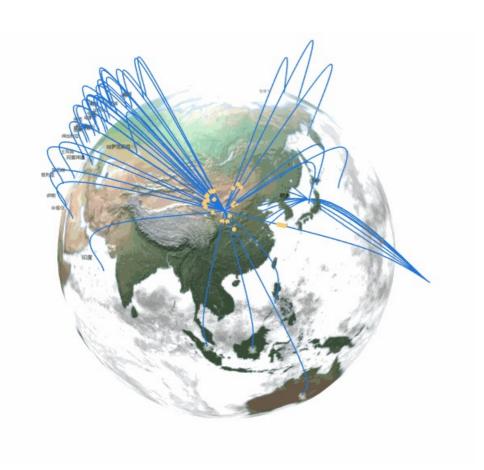


图表目录



地球



球体几何对象

★ 材质:地理情况图

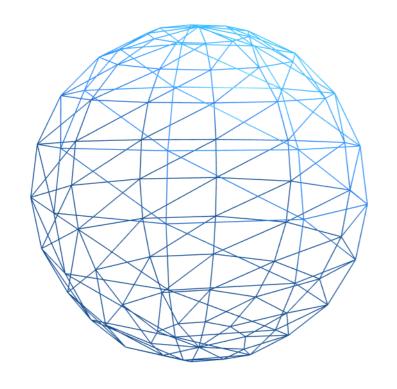
坐标 + 连线 + 运动轨

 迹

渲染文字



球体



THREE.SphereGeometry(100,32,
32);

radius: Float

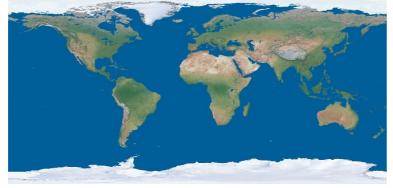
widthSegments: Integer

heightSegments: Integer



地球材质

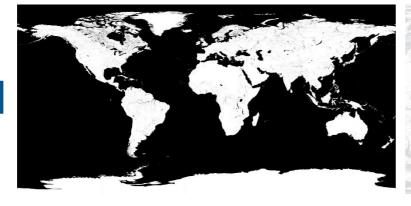
地形图





凹凸贴图

透明度贴图



大气层



地理地球





绘制曲线:获取定点

```
起始点
var positions = [];
positions.push(obj0.position);
var midVector =
obj0.position.clone().add(obj1.position.clone());
if(midVector.length () > radius*1.5){
                                                 中间点
  midVector.multiplyScalar(0.8);
positions.push(midVector);
                                              结束点
positions.push(obj1.position);
```

var curve = new THREE.CatmullRomCurve3(positions);

绘制曲线

```
var curve = new THREE.CatmullRomCurve3( positions );
var points = curve.getPoints( 50 );
var geometry = new
THREE.BufferGeometry().setFromPoints( points );
var material = new THREE.LineBasicMaterial( { color :
0x2376DD } );
var curveObject = new THREE.Line( geometry, material );
http://htereaid.org/detaidet/constructions/curves/CatmullRomCurve3
```

运动点:几何对象

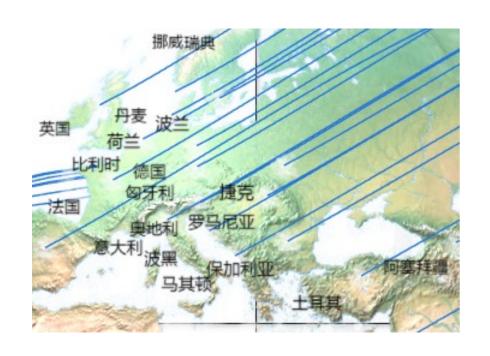


点动画循环

```
THREE.CatmullRomCurve
index = 0;
function pointAnimate() {
  index + = 0.001;
  if(index>= 1) {
                                                 0-1
     index = 0;
  pointMesh.position.copy(curve.getPointAt(index));
  requestAnimationFrame(pointAnimate);
pointAnimate();
```



渲染文字



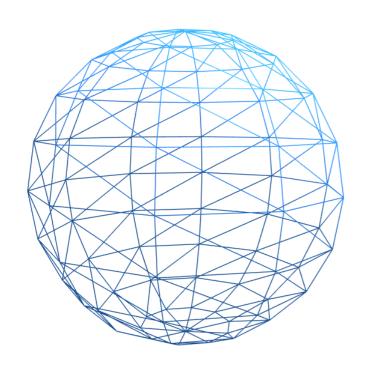
canvas 作为粒子 Sprite 纹理

context.font:设置字体样式

content.fillText:文本



地理地球









力导向图

见力导向图 .gif







★ 拖拽控制器