**由于项目要求，需要使用OpenLayers加载ArcGIS的REST切片服务。OpenLayers官网只提供了加载ArcGIS标准切片服务的demo，但很多时候考虑到切片服务太占用磁盘空间，我们在ArcGIS Server中会自定义切片的等级，如下图所示，切片服务TestMapService只使用了0-4级切片。**

在利用OpenLayers加载自定义切片服务之前，我们需要先获取该服务的一些参数，如下图所示：

有了这些参数就可以用OpenLayers加载ArcGIS自定义的切片服务了，代码如下：

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<meta charset="utf-8" />

<title>REST服务</title>

<link href="scripts/ol.css" rel="stylesheet" />

<style>

html, body, #map {

width: 100%;

height: 100%;

margin: 0;

padding: 0;

}

</style>

<script src="scripts/ol.js"></script>

</head>

<body>

<div id="map"></div>

<script>

// 坐标原点

var origin = [

-400.0,

399.9999999999998

];

// 分辨率

var resolutions = [

0.29743262572878504,

0.15228550437313793,

0.07614275218656896,

0.03807137609328448,

0.01903568804664224

];

// 地图范围

var extent = [

-121.04290329332338,

-7.1283531563668845,

35.35203341553756,

56.39654924514745

];

// 瓦片网格

var tileGrid = new ol.tilegrid.TileGrid({

tileSize: 256,

origin: origin,

extent: extent,

resolutions: resolutions

});

// 瓦片数据源

var source = new ol.source.XYZ({

tileGrid: tileGrid,

projection: ol.proj.get('EPSG:4326'),

url: "https://localhost:6443/arcgis/rest/services/TestMapService/MapServer/tile/{z}/{y}/{x}"

});

// 显示地圖

var map = new ol.Map({

target: 'map',

layers: [

new ol.layer.Tile({

source: source

}),

],

view: new ol.View({

center: [30, 30],

resolutions: resolutions,

resolution: 0.15228550437313793,

projection: ol.proj.get('EPSG:4326'),

extent: extent

})

});

</script>

</body>

</html>

程序运行结果如下图所示：