

Table of Contents

Spatial Index Recipes	1
Creating Projections	1

Spatial Index Recipes

Creating Projections

Create a STRtree spatial index

```
STRtree index = new STRtree()
```

Insert Geometries and their Bounds

```
index.insert(new Bounds(0,0,10,10), new Point(5,5))
index.insert(new Bounds(2,2,6,6), new Point(4,4))
index.insert(new Bounds(20,20,60,60), new Point(30,30))
index.insert(new Bounds(22,22,44,44), new Point(32,32))
```

Get the size of the index

```
int size = index.size
println size
```

```
4
```

Query the index

```
List results = index.query(new Bounds(1,1,5,5))
results.each { Geometry geometry ->
    println geometry
}
```

```
POINT (4 4)
POINT (5 5)
```