

```
public void filter(CoordinateSequence seq, int index,double
fraction) {
    maxPtDist.initialize();//保留最大值
    numSubSegs = (int) Math rint(1.0 / fraction);

    Coordinate p0 = seq.getCoordinate(index - 1);
    Coordinate p1 = seq.getCoordinate(index);//index 是坐标数组索引

    double delx = (p1.x - p0.x) / numSubSegs;
    double dely = (p1.y - p0.y) / numSubSegs;
    //以致密段数量计算 delta 值

    for (int i = 0; i < numSubSegs; i++) {
        double x = p0.x + i * delx;
        double y = p0.y + i * dely;
        Coordinate pt = new Coordinate(x, y);//生成新坐标
        minPtDist.initialize();
        distanceToPoint.computeDistance(geom, pt, minPtDist);
        //坐标距离计算, geom 是根几何体, 也就是当前坐标集
        maxPtDist.setMaximum(minPtDist);//保存最大值
    }
}
```