

```
public void filter(seq,index,fraction) {  
    maxPtDist.initialize();//①保留最大值  
    numSubSegs =Math rint(1.0 / fraction);// ②计算致密段数  
  
    Coordinate p0 = seq.getCoordinate(index - 1);  
    Coordinate p1 = seq.getCoordinate(index);  
    // ③index 是坐标数组索引  
  
    double delx = (p1.x - p0.x) / numSubSegs;  
    double dely = (p1.y - p0.y) / numSubSegs;  
    //④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);  
        minPtDist.initialize();  
        distanceToPoint.computeDistance(geom, pt, minPtDist);  
        //⑤坐标距离计算  
        maxPtDist.setMaximum(minPtDist);//保存最大值  
    }  
}
```