

```
1 static public Point barycenter(List<Point> cluster) {  
2     double numPoints = (double) cluster.size();  
3     Optional<Point> sum = cluster  
4             .stream()  
5             .reduce(Point::plus);  
6     return sum.get().scale(1 / numPoints);  
7 }
```

FIGURE 17.11 The barycenter() method.