

ParalleleStream

Test Simple

```
public class SimpleParallelele {  
  
    public static void main(String[] args) {  
  
        System.out.println("Normal...");  
          
        IntStream range = IntStream.rangeClosed(1, 10);  
        range.forEach(System.out::println);  
  
        System.out.println("Parallel...");  
  
        IntStream range2 = IntStream.rangeClosed(1, 10);  
        range2.parallel().forEach(System.out::println);  
  
    }  
  
}
```

Résultat

```
Normal...  
1  
2  
3  
4  
5  
6  
7  
8  
9
```

```
10
Parallel...
7
6
8
1
2
4
10
3
9
5
```

Test 2 Test des nombres premiers

```
public static void main(String[] args) {

    long now=System.currentTimeMillis();
    long count = Stream.iterate(0, n -> n + 1)
        .limit(1_00000)
        .filter(Prime::isPrime)
        .peek(x -> System.out.format("%s\t", x))
        .count();

    System.out.println("\nTotal: " + count);
    System.err.println("Time :" + (System.currentTimeMillis()-now));

    now=System.currentTimeMillis();
    count = Stream.iterate(0, n -> n + 1)
        .limit(1_00000)
        .parallel()
        .filter(Prime::isPrime)
        .peek(x -> System.out.format("%s\t", x))
        .count();

    System.out.println("\nTotal: " + count);
    System.err.println("Time :" + (System.currentTimeMillis()-now));
```

```
}  
  
public static boolean isPrime(int number) {  
    if (number <= 1) return false;  
    return !IntStream.rangeClosed(2, number / 2).anyMatch(i -> number % i == 0);  
}
```

Résultat

Total: 9592

Time :1455

Total: 9592

Time : 392

Revision #2

Created 2 June 2022 07:50:26 by ggpilou2

Updated 19 June 2022 10:52:23 by ggpilou2