

1 thread code execution

```
Thread Num: 0  
Thread Time: 1.4671  
  
M: 787 N: 1000  
  
Approximation: 3.15
```

2 threads

```
Thread Num: 0  
Thread Time: 1.3665  
Thread Num: 1  
Thread Time: 1.5252  
  
M: 769 N: 1000  
  
Approximation: 3.08
```

4 threads

```
Thread Num: 3  
Thread Time: 1.3887  
Thread Num: 2  
Thread Time: 1.7077  
Thread Num: 1  
Thread Time: 2.1782  
Thread Num: 0  
Thread Time: 2.3921  
  
M: 784 N: 1000  
  
Approximation: 3.14
```

8 threads

```
Thread Num: 4  
Thread Time: 1.6434  
Thread Num: 1  
Thread Time: 2.3566  
Thread Num: 6  
Thread Time: 2.4395  
Thread Num: 3  
Thread Time: 2.7976  
Thread Num: 7  
Thread Time: 2.8633  
Thread Num: 2  
Thread Time: 3.6833  
Thread Num: 5  
Thread Time: 3.8027  
Thread Num: 0  
Thread Time: 4.1229  
  
M: 780 N: 1000  
  
Approximation: 3.12
```

16 threads

```
Thread Num: 2
Thread Time: 2.0313
Thread Num: 7
Thread Time: 2.3313
Thread Num: 1
Thread Time: 2.6086
Thread Num: 11
Thread Time: 2.7103
Thread Num: 14
Thread Time: 2.9803
Thread Num: 4
Thread Time: 3.552
Thread Num: 10
Thread Time: 3.7027
Thread Num: 8
Thread Time: 4.126
Thread Num: 15
Thread Time: 4.2842
Thread Num: 9
Thread Time: 4.7668
Thread Num: 13
Thread Time: 4.9488
Thread Num: 0
Thread Time: 5.536
Thread Num: 3
Thread Time: 5.7987
Thread Num: 12
Thread Time: 5.8778
Thread Num: 5
Thread Time: 6.4016
Thread Num: 6
Thread Time: 7.6368
```

M: 799 N: 1000

Approximation: 3.20

Completely Serial Execution

3.20

Time Elapsed - 1.51