Ejercicio 2.1

a)



b)



c)



Ejercicio 2.2

a)



b)

c)



d)



e)



f)

-----------------------Threads: 1-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 1939.633075 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 1928.635727 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 1931.782398 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 1929.880946 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 1928.382509 ms

-----------------------Threads: 2-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 970.652713 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 968.188709 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 966.839606 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 966.770968 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 966.981519 ms

-----------------------Threads: 3-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 646.305827 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 649.060613 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 644.561592 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 644.470230 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 646.194522 ms

-----------------------Threads: 4-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 486.129836 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 484.246935 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 484.364268 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 485.569603 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 485.704096 ms

-----------------------Threads: 5-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 392.248198 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 388.630802 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 389.654803 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 391.317878 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 397.992438 ms

-----------------------Threads: 6-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 334.812756 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 337.133455 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 339.155486 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 329.210429 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 334.300755 ms

-----------------------Threads: 7-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 301.194622 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 302.910103 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 310.776548 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 310.779331 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 312.786986 ms

-----------------------Threads: 8-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 277.933836 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 268.944142 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 267.048719 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 263.561178 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 279.213374 ms

-----------------------Threads: 9-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 261.634219 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 262.030278 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 259.632593 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 261.336480 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 255.076529 ms

-----------------------Threads: 10-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 248.387128 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 237.367055 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 231.176669 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 226.350228 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 228.488202 ms

-----------------------Threads: 11-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 216.138967 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 231.703511 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 233.085542 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 229.283565 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 231.736438 ms

-----------------------Threads: 12-----------------------

Result = 1.99993951 (Should be 2.00000000; err = 0.00006049) Time = 197.530710 ms

Result = 2.82834158 (Should be 2.82842712; err = 0.00008555) Time = 193.603052 ms

Result = 3.46399684 (Should be 3.46410162; err = 0.00010477) Time = 214.416530 ms

Result = 3.99987902 (Should be 4.00000000; err = 0.00012098) Time = 220.638452 ms

Result = 4.47200070 (Should be 4.47213595; err = 0.00013526) Time = 203.368631 ms



Ejercicio 3

1. Secuencial



1. Paralelizado







1. Región Crítica

Una Región crítica en función FindPrimes()



Dos regiones críticas en función FindPrimes() y ShowProgress()



1. Ejercicio con múltiples hilos

