ex1
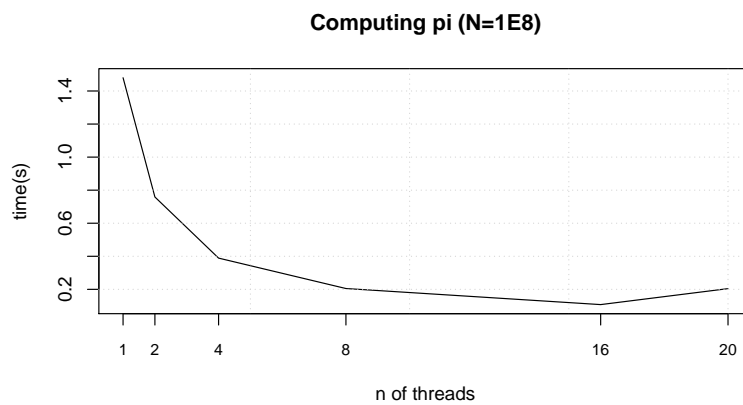
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Approximate π

The following plot shows the time used to approximate π (10^8 iterations) versus the number of threads:

Computing pi (N=1E8)

We can see that at a certain point there is no more scaling.

To protect the summation I tryed with critical section, atomic and reduction variable, and I verified that they all give the same elapsed time results.