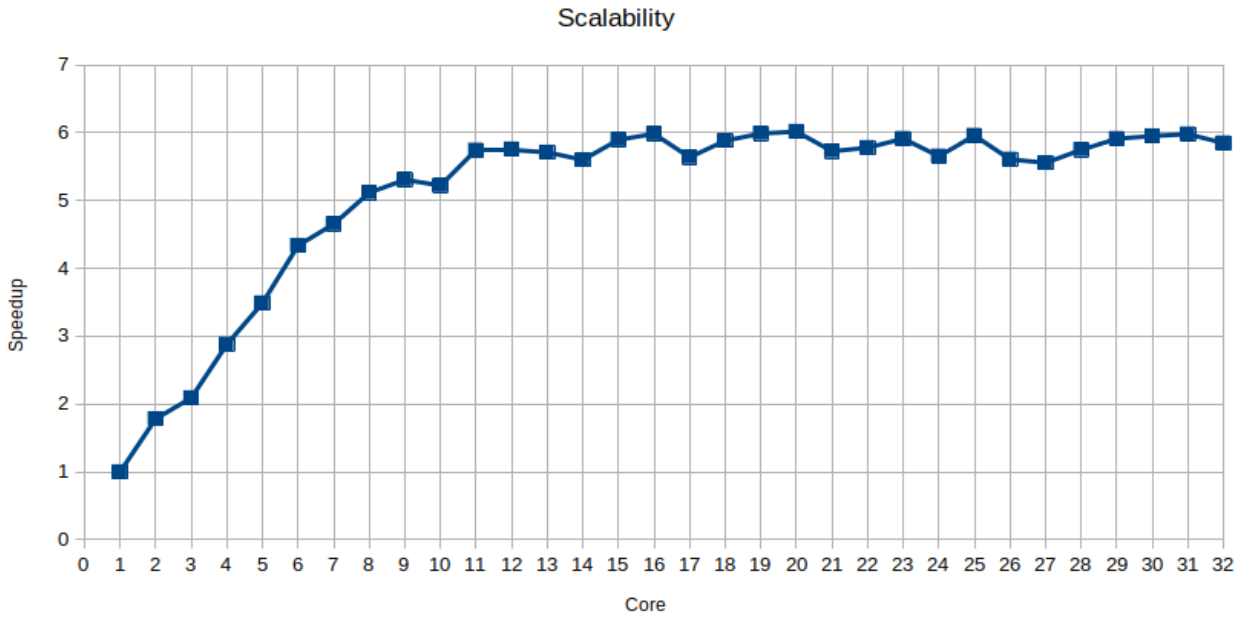

To measure data we create a timer class that measures nano time on start and stop timer on stop. We put start on task creation and stop when all threads have finished to calculate.
From the chart we can see a linear behavior until 8 core then the speedup stays in the rage of 5 and 6. this happens because of the OS' threads that influence the execution, context-switches.

Core	Time (ms)	SpeedUp
1	10466.1864	1
2	5869.898497	1.78302681134079
3	5004.013306	2.09155846717087
4	3631.686736	2.8819078188246
5	2999.087964	3.48978973795782
6	2413.026399	4.33736920753845
7	2248.453444	4.65483794113195
8	2045.540507	5.11658721212505
9	1971.771587	5.30801157142346
10	2004.175853	5.2221896518379
11	1823.090811	5.74090239325988
12	1817.894077	5.75731365892997
13	1832.405059	5.71172096944096
14	1868.472544	5.6014665206662
15	1774.885377	5.89682383754295
16	1748.950472	5.98426688894824
17	1856.292649	5.63822003262159
18	1778.858391	5.88365350100541
19	1747.762049	5.98833600145302
20	1739.422213	6.01704768501769
21	1827.430399	5.72726950680435
22	1810.792149	5.779893846889
23	1769.930132	5.91333308065293
24	1851.421842	5.65305332505632
25	1756.329827	5.95912353084464
26	1866.52505	5.6073109760836
27	1883.248561	5.55751726922466
28	1820.726973	5.74835576953909
29	1770.221386	5.91236016171369
30	1758.501055	5.95176577815587
31	1750.447901	5.97914761931552
32	1789.854134	5.84750801821485