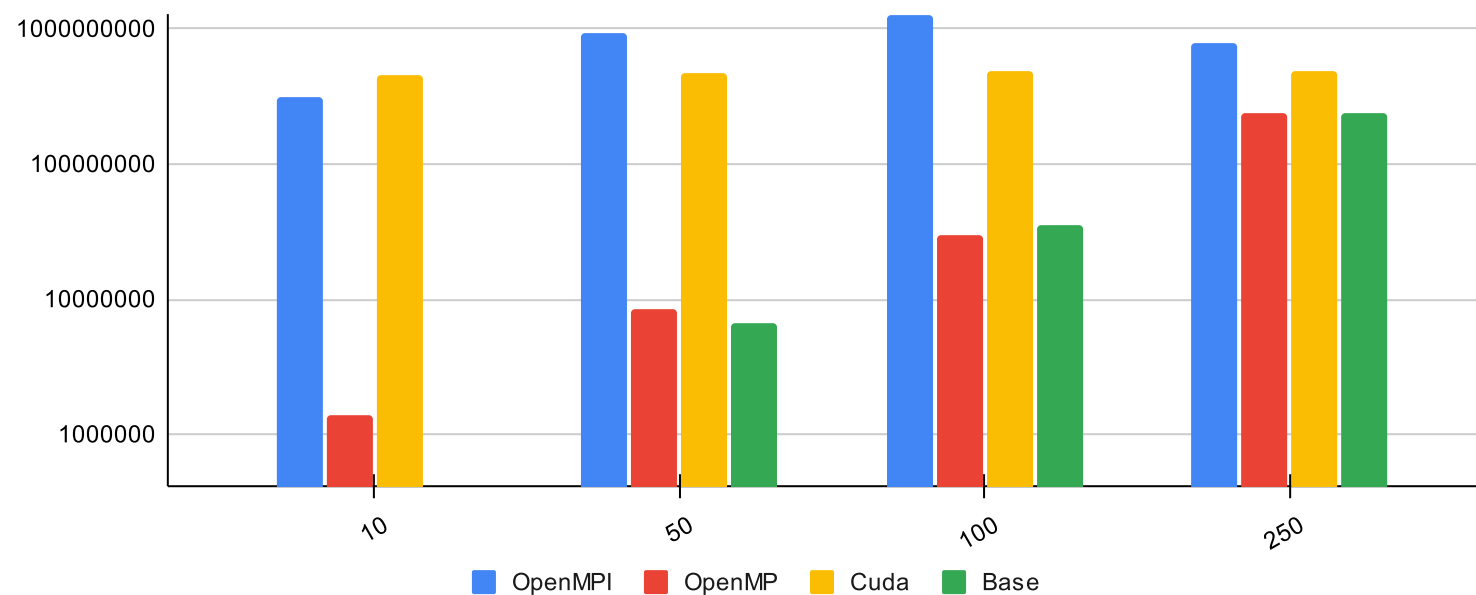


PROGRAMA	NUCLEOS USADOS	ITERACIONES	TAMANO DE LA MATRIZ	TIEMPO TOTAL	TIEMPO DE INICIALIZACION	TIEMPO DE COMPUTO	TIEMPO DE FINALIZACION	TIEMPO DE COMPUTO / ITERACION	TIEMPO TOTAL / ITERACION	%TIEMPO EN INICIALIZACION	%TIEMPO EN COMPUTO	%TIEMPO EN FINALIZACION	%TIEMPO FUERA DE COMPUTO	SPEED UP DEL COMPUTO	SPEED UP DEL TOTAL	EFICIENCIA PARALELISMO COMPUTO	EFICIENCIA PARALELISMO TOTAL	FLOP	FLOPS	MFLOPS	NUCLEOS LANZADOS CUDA	EFICIENCIA COMPUTO / LANZADOS	EFICIENCIA TOTAL / LANZADOS	CUDA
Base	1	10000	10	20452134	271953	22020380	133103	22032380	413070.205	87.20%	0.56%	32.23%	98.49%	1	1	1	1	1	819845420.3	814.945420	1	1	1	1
Base	1	10000	50	2794026776	4582118	2787596424	2330277	2787596424	6689594.642	80.94%	4.16%	34.90%	95.84%	1	1	1	1	247300	887861804.2	887.8618042	1	1	1	1
Base	1	10000	100	26059595014	15288172	26033594108	13343815	2603705.42	35210403.42	54.72%	7.26%	37.89%	92.61%	1	1	1	1	1990000	764200077.5	764.2000775	1	1	1	1
Base	1	10000	250	368632359014	122754142	368601601737	78725384	368601601737	2484601726	51.95%	16.25%	63.86%	88.36%	1	1	1	1	3187350	805466809.2	805.4666802	1	1	1	1
OpenMP	12	10000	10	562833370	258300	56062140	1059810	1373600.214	5600.214	18.80%	0.41%	89.78%	99.59%	0.4078787855	0.3007274486	0.0330882471	0.02809082095	1000	333090598.2	333.9059802	12	0.0330882471	0.02809082095	
OpenMP	12	10000	50	7507950270	4137380	7506779980	3764480	158871388	8461587.269	53.63%	1.88%	44.44%	98.12%	0.754521593	0.7919028116	0.1482120307	0.08919440086	247300	1057779870	1057.779870	12	0.1482120307	0.08919440086	
OpenMP	12	10000	100	7235635026	17084564	7206881287	11875113	7206881287	22664565.13	87.53%	2.43%	40.05%	97.57%	3.812808354	1.187131252	0.0880276013	0.0880276013	1990000	2781240868	2781.240868	12	0.3810871895	0.0880276013	
OpenMP	12	10000	250	97975940783	13609308	9743435004	9338844	974343.35	23989846.4	95.82%	4.07%	38.00%	95.82%	3.88058821	1.022115117	0.1321644918	0.08302605974	3187300	3180754386	3180.754386	12	0.1321644918	0.08302605974	
OpenMP_CPU1	2	10000	10	317556075	256932389	8688653	91795237	868.4853	307864391.5	81.18%	0.00%	18.82%	100.80%	2.452111958	0.001341879137	0.0000776030238	0.0000776030238	1000	1887168374	1887.168374	2	1.207105888	0.0000776030238	
OpenMP_CPU1	2	10000	50	2337587715	73330262	1417457331	98879746	141745.1331	820241953.7	79.99%	0.00%	20.30%	99.98%	1.968817522	0.007279887983	0.0030387611	0.0030387611	247300	1740584306	1740.584306	2	0.0030387611	0.0030387611	
OpenMP_CPU1	2	10000	100	1178658167	75645448	1525271752	958714584	1525271.138	1037417054	56.98%	0.10%	43.23%	99.92%	2.079158447	0.0077862319	0.03653224	0.03653224	1990000	1950111867	1950.111867	2	0.03653224	0.03653224	
OpenMP_CPU1	2	10000	250	222326981727	384698493	22158413108	378959435	2215841.31	703872726.3	49.71%	2.81%	47.48%	97.19%	1.74883818	0.3028768215	0.87508768	0.1814303108	3187300	1387498203	1387.498203	2	0.87508768	0.1814303108	
OpenMP_CPU2	2	10000	10	318101471	25862122	143207772	47139418	1433.107471	301760273.8	84.48%	0.00%	15.52%	100.00%	1.81832342	0.00135887372	0.000790589598	0.000790589598	1000	1320171024	1320.171024	2	0.000790589598	0.000790589598	
OpenMP_CPU2	2	10000	50	23337012673	732845184	1588604601	4783281	1588604.601	7805804601.8	6.12%	0.00%	99.86%	99.86%	1.795813847	0.00862504481	0.054624224	0.054624224	247300	1588604252	1588.604252	2	0.054624224	0.054624224	
OpenMP_CPU2	2	10000	100	13786240224	129700808	129700808	98697597	1297008.08	81468863.1	92.88%	0.16%	6.96%	99.84%	2.005848072	0.04323748798	1.003273038	0.02181874388	1990000	153393286	1533.93286	2	1.003273038	0.02181874388	
OpenMP_CPU2	2	10000	250	22358975975	384818300	22337474538	1298778	2233747.54	573701276	73.38%	4.15%	22.45%	98.85%	1.794150465	0.4480729438	0.873282342	0.232846719	3187300	1338210851	1338.210851	2	0.873282342	0.232846719	
Cuda	1	10000	10	1044049320	49002730	587451060	588350	58745.106	498647825.1	99.88%	0.01%	0.13%	99.99%	0.0349795299	0.000804805012	0.000804805012	0.000804805012	1000	32243318.178	32.243318178	100	0.000804805012	0.000804805012	
Cuda	1	10000	50	1546035940	48333080	579738420	383980	57973.842	483749713.8	99.17%	0.01%	0.82%	99.80%	4.80883036	0.0143370479	4.80883036	0.0143370479	247300	4289188074	4289.188074	768	0.00828897553	0.00018688461	
Cuda	1	10000	100	1415068800	48794770	921881730	93841840	92188.173	483788795.2	97.73%	0.00%	2.22%	99.86%	26.34430801	0.0713154762	26.34430801	0.0713154762	1990000	2158866977	2158.866977	768	0.0077564272	0.00020288687	
Cuda	1	10000	250	5374793800	30352776	4891919557	89308295	489191.9057	483308262.9	81.42%	0.10%	18.48%	99.90%	78.64193212	0.4074461472	78.64193212	0.4074461472	3187300	6373039012	6373.039012	768	0.1037004384	0.0006477163375	

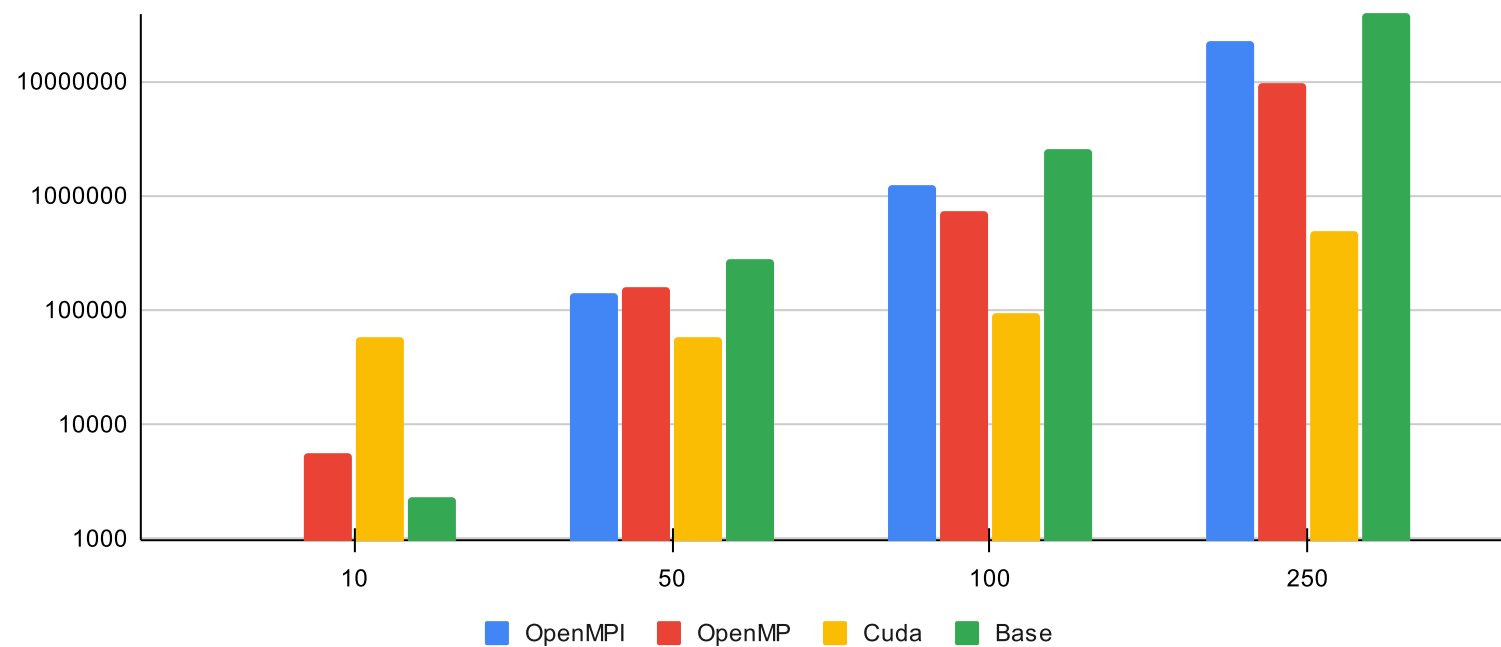
SUM de TIEMPO TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	303762973,8	780559665,9	814466683,1	537931276
OpenMPI_CPU1	307884391,9	920241953,7	1267417654	793872726,3
OpenMP	1373600,214	8461557,999	29664365,13	239958046,4
Cuda	456647825,1	467247613,8	493798795,2	483350262,9
Base	413079,285	6698954,642	35215493,42	240440726

Tiempo de ejecución total de 1 iteración en función del tamaño de la matriz

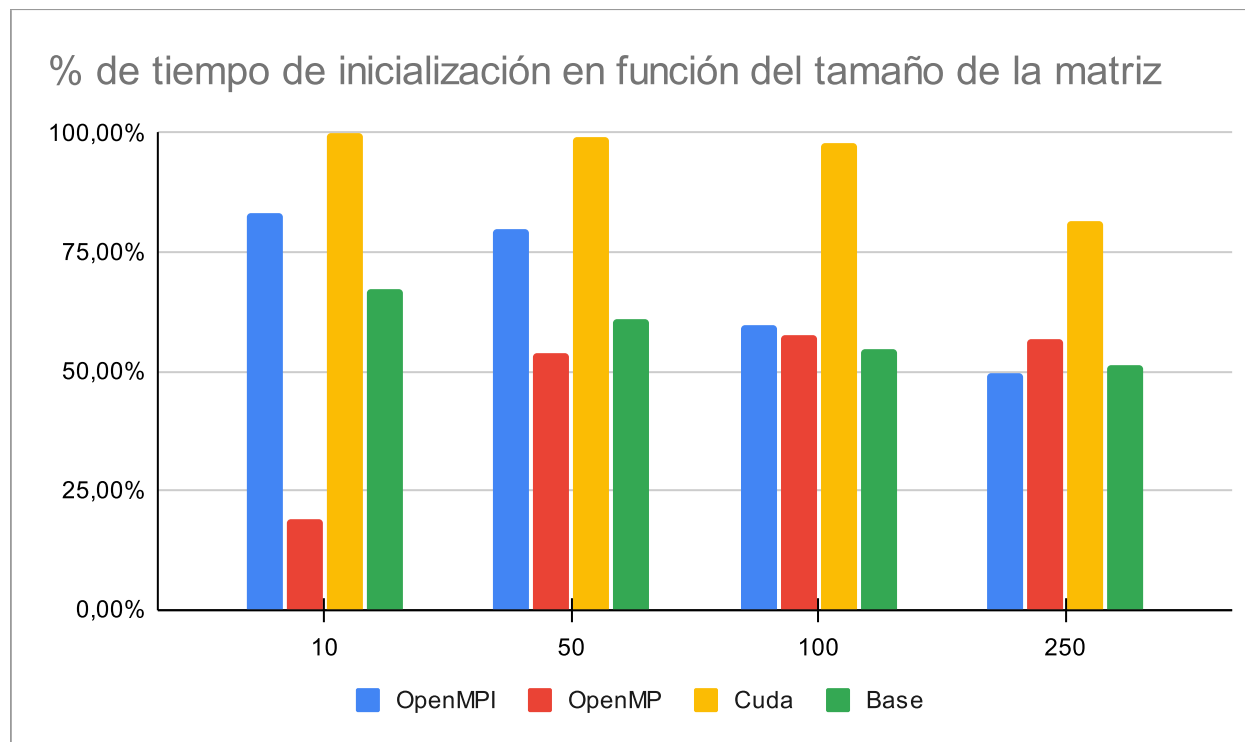


SUM de TIEMPO TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	1433,7772	155660,9401	1297606,098	22337247,04
OpenMPI_CPU1	965,8553	141745,7331	1252271,735	22315841,31
OpenMP	5690,214	158877,999	720688,1287	9774334,35
Cuda	58745,106	57973,842	92185,173	489191,9057
Base	2320,285	278759,6424	2603706,42	38960190,01

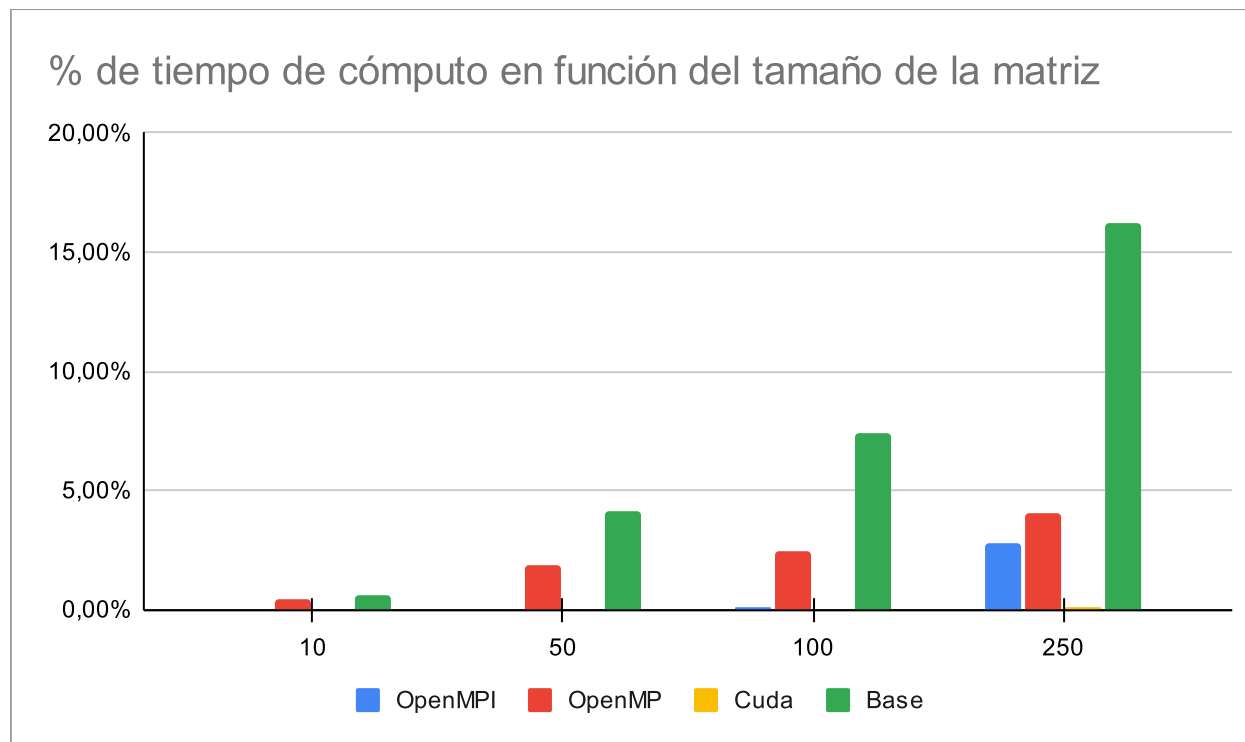
Tiempo de ejecución del cómputo de 1 iteración en función del tamaño de la matriz



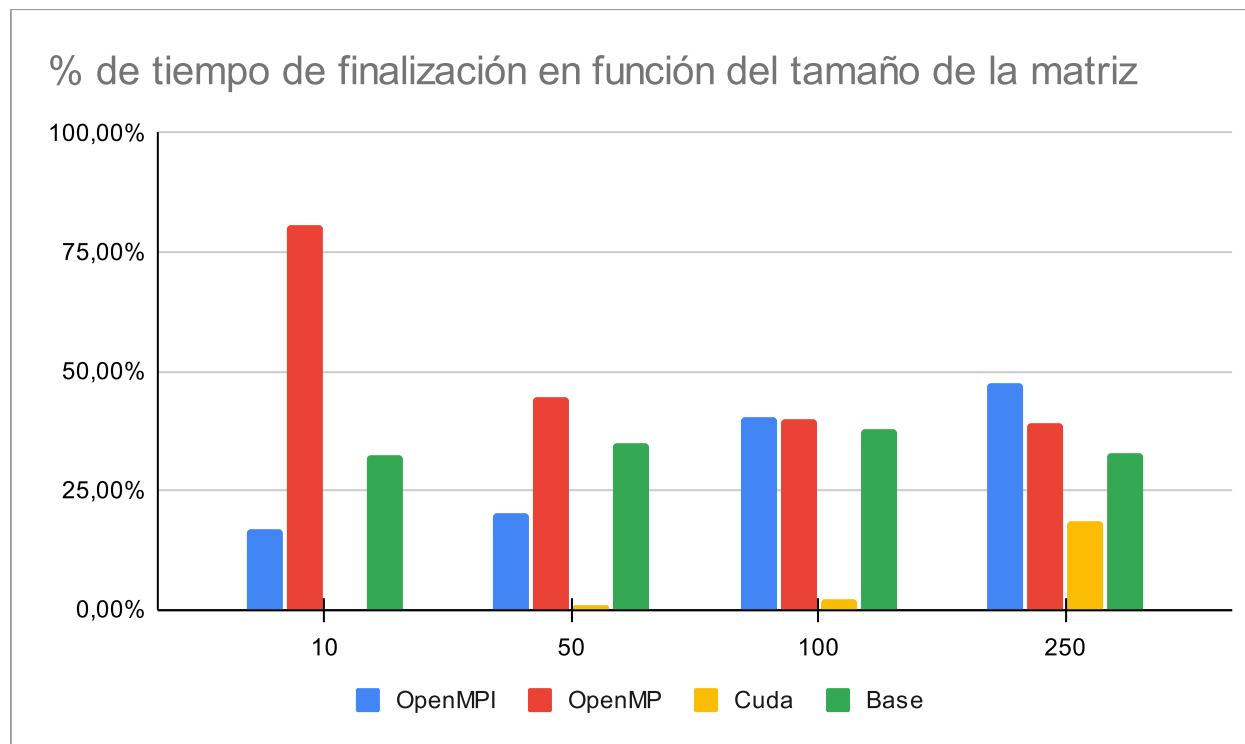
SUM de %TIEMPO TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	84,48%	93,86%	92,88%	73,36%
OpenMPI_CPU1	83,18%	79,69%	59,68%	49,71%
OpenMP	18,80%	53,63%	57,53%	56,92%
Cuda	99,86%	99,17%	97,77%	81,42%
Base	67,22%	60,94%	54,72%	51,05%



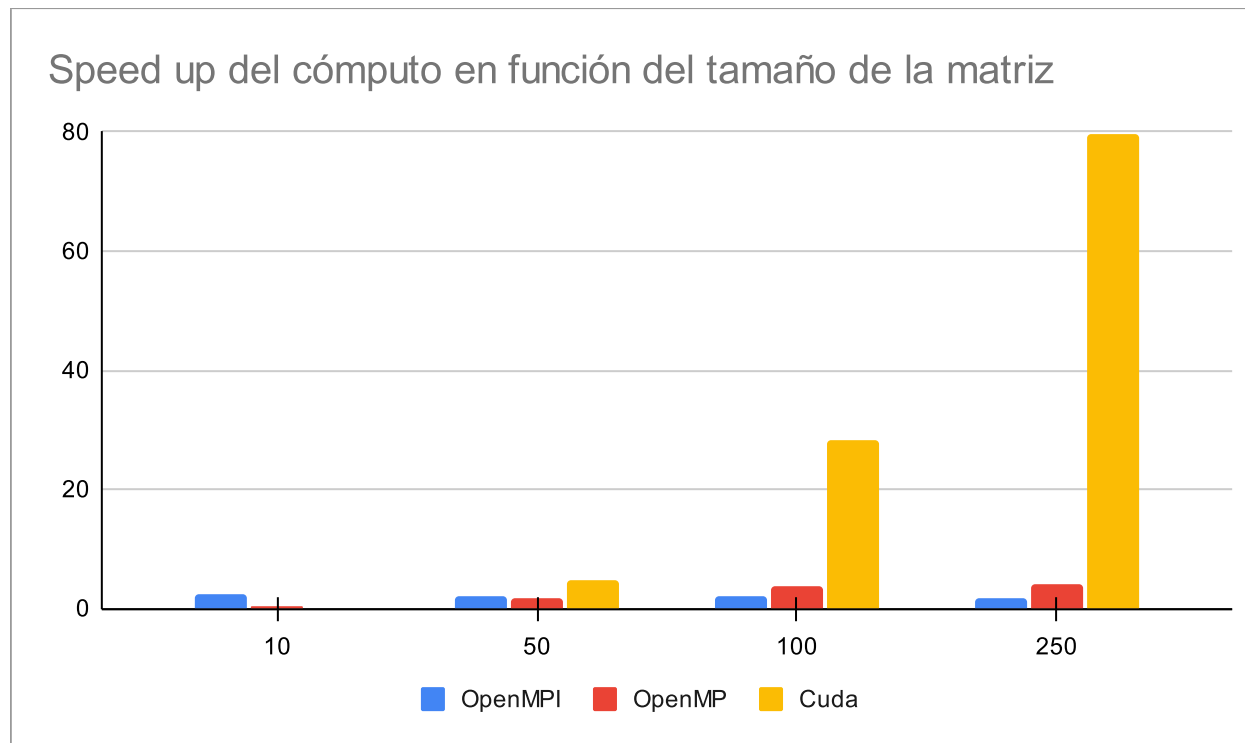
SUM de %TIEMPO TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	0,00%	0,02%	0,16%	4,15%
OpenMPI_CPU1	0,00%	0,02%	0,10%	2,81%
OpenMP	0,41%	1,88%	2,43%	4,07%
Cuda	0,01%	0,01%	0,02%	0,10%
Base	0,56%	4,16%	7,39%	16,20%



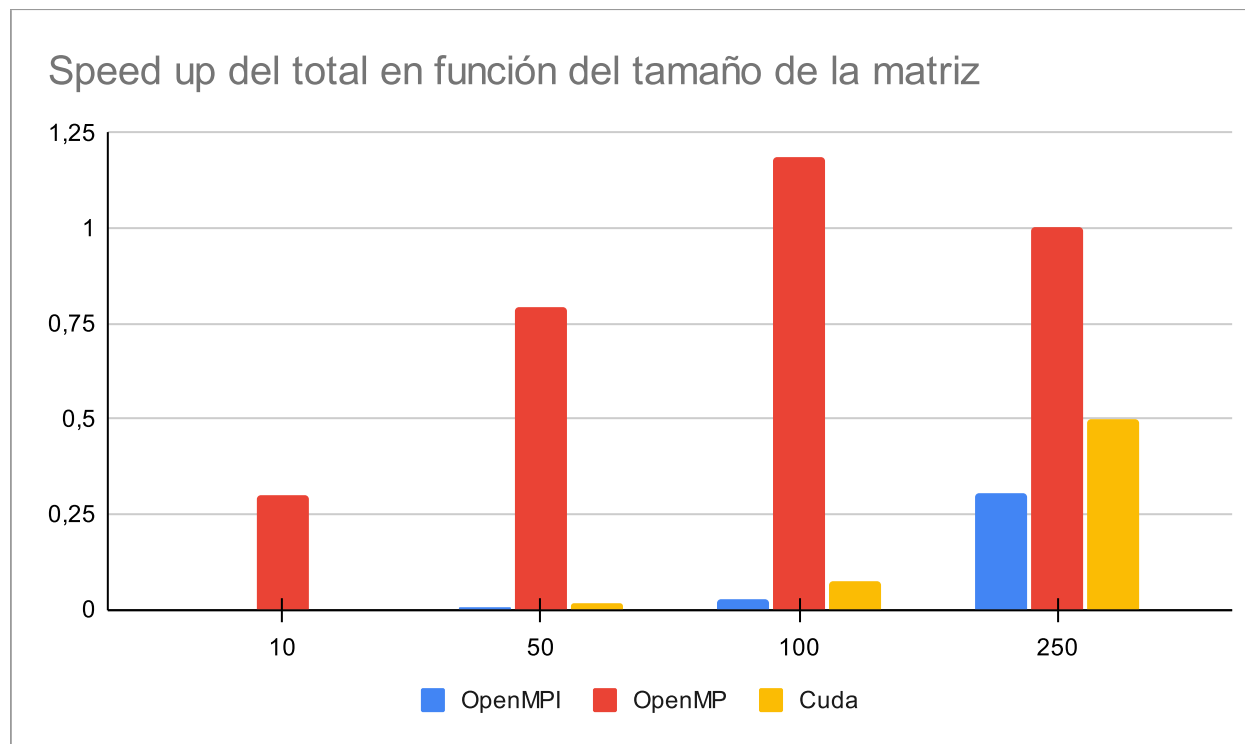
SUM de %TIEMPO TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	15,52%	6,12%	6,96%	22,49%
OpenMPI_CPU1	16,82%	20,30%	40,22%	47,48%
OpenMP	80,78%	44,49%	40,05%	39,00%
Cuda	0,13%	0,82%	2,22%	18,48%
Base	32,22%	34,90%	37,89%	32,74%



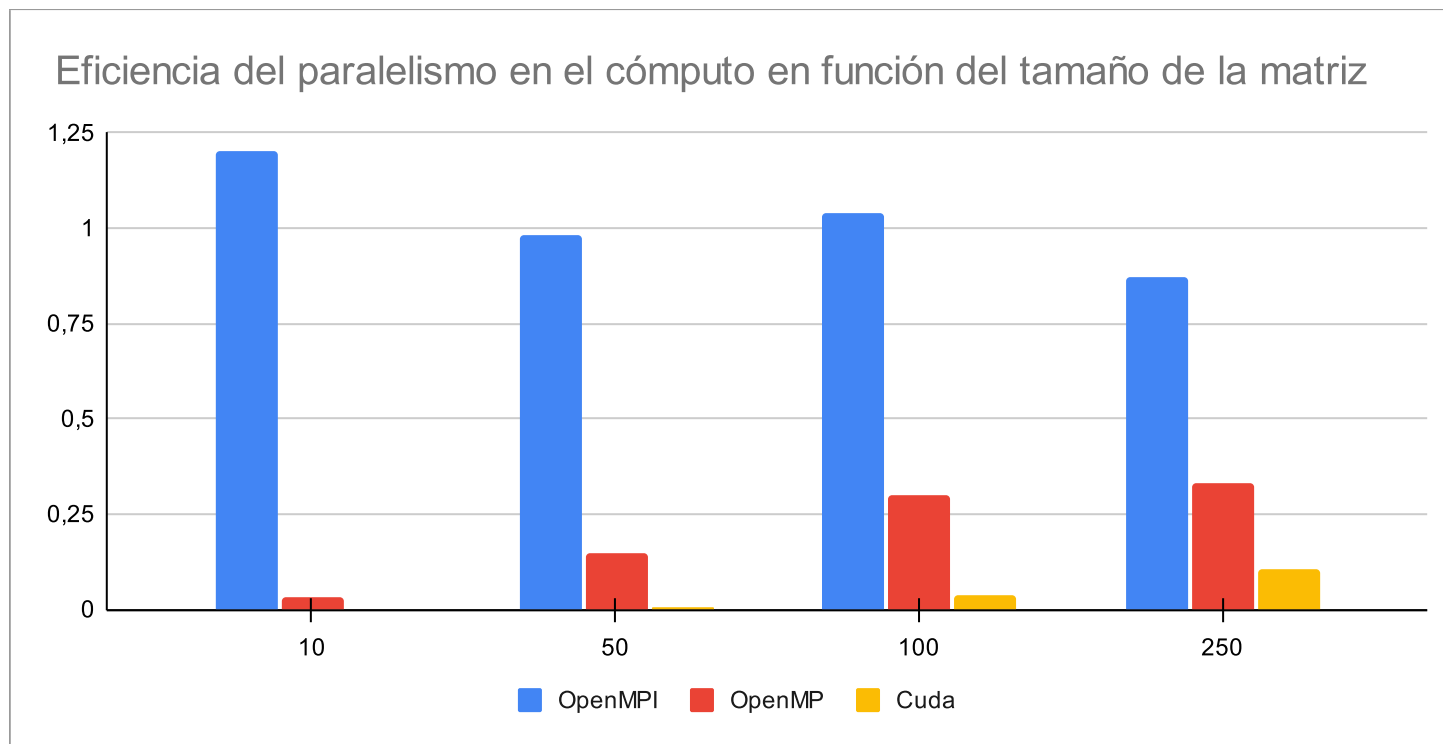
SUM de SPEED		TAMAÑO DE LA MATRIZ			
PROGRAMA	10	50	100	250	
OpenMPI_CPU2	1,618302342	1,790813047	2,006546072	1,744180468	
OpenMPI_CPU1	2,402311195	1,966617522	2,079186447	1,745853516	
OpenMP	0,4077676165	1,754551569	3,612806034	3,985968621	
Cuda	0,03949750299	4,808369306	28,24430801	79,64193512	
Base	1	1	1	1	



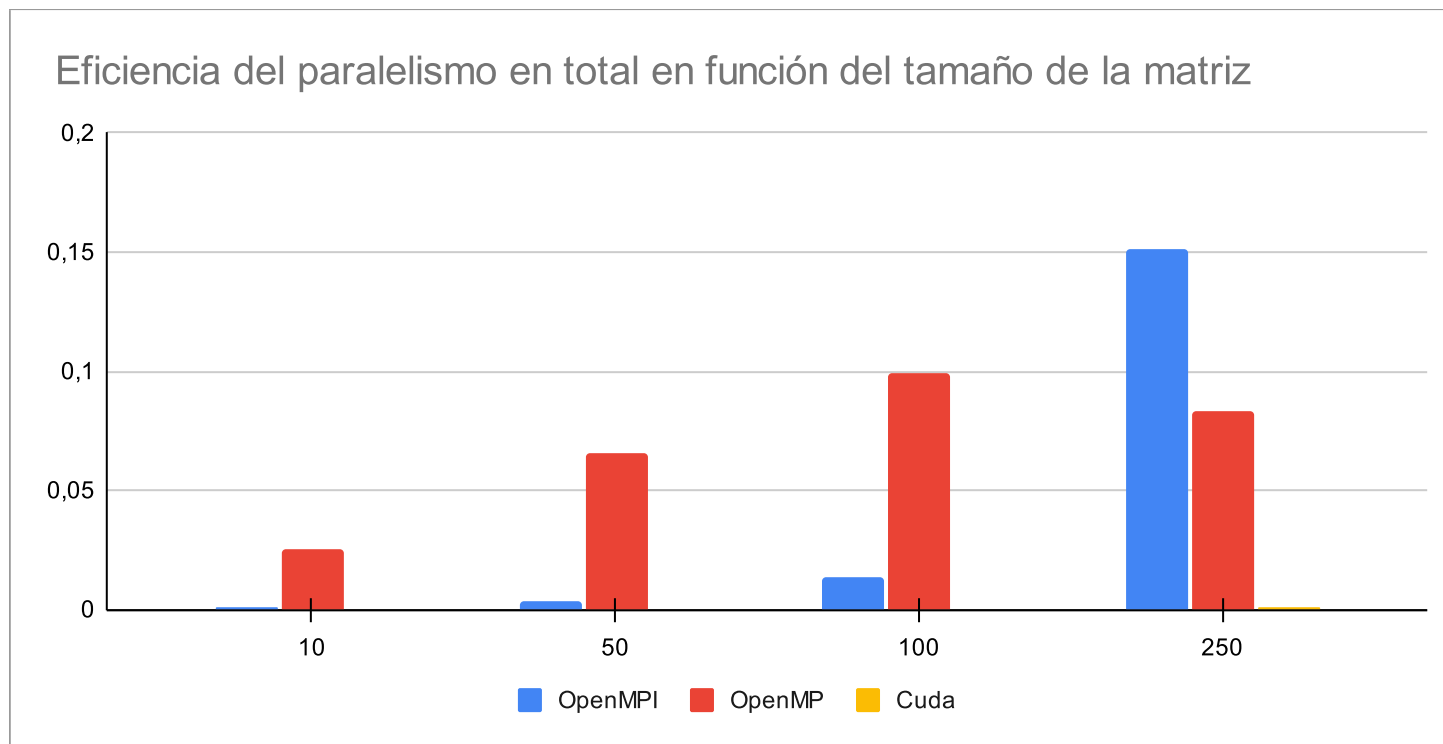
SUM de SPEED TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	0,00135987372	0,008582245451	0,04323748798	0,4469729438
OpenMPI_CPU1	0,001341670107	0,007279557963	0,0277852319	0,3028706215
OpenMP	0,3007274466	0,7916928116	1,187131202	1,002011517
Cuda	0,000904590501	0,01433705479	0,07131547052	0,4974461472
Base	1	1	1	1



SUM de EFICIENCIA TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	0,8091511708	0,8954065234	1,003273036	0,8720902342
OpenMPI_CPU1	1,201155598	0,9833087611	1,039593224	0,872926758
OpenMP	0,03398063471	0,1462126307	0,3010671695	0,3321640518
Cuda	0,000394975029	0,006260897533	0,03677644272	0,1037004364
Base	1	1	1	1



SUM de EFICIENCIA TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	0,0006799368590	0,004291122726	0,02161874399	0,2234864719
OpenMPI_CPU1	0,000670835053	0,003639778982	0,01389261595	0,1514353108
OpenMP	0,02506062055	0,06597440096	0,09892760013	0,08350095974
Cuda	0,000009045905	0,000018668040	0,000092858685	0,000647716337



SUM de MFLOP. TAMAÑO DE LA MATRIZ				
PROGRAMA	10	50	100	250
OpenMPI_CPU2	1325,171024	1589,994252	1533,593286	1396,210551
OpenMPI_CPU1	1967,168374	1746,084306	1589,111967	1397,54982
OpenMP	333,9065982	1557,799076	2761,249868	3190,754366
Cuda	32,34311978	4269,166774	21586,98558	63753,09901
Base	818,8649239	887,8616642	764,2950775	800,4966092

