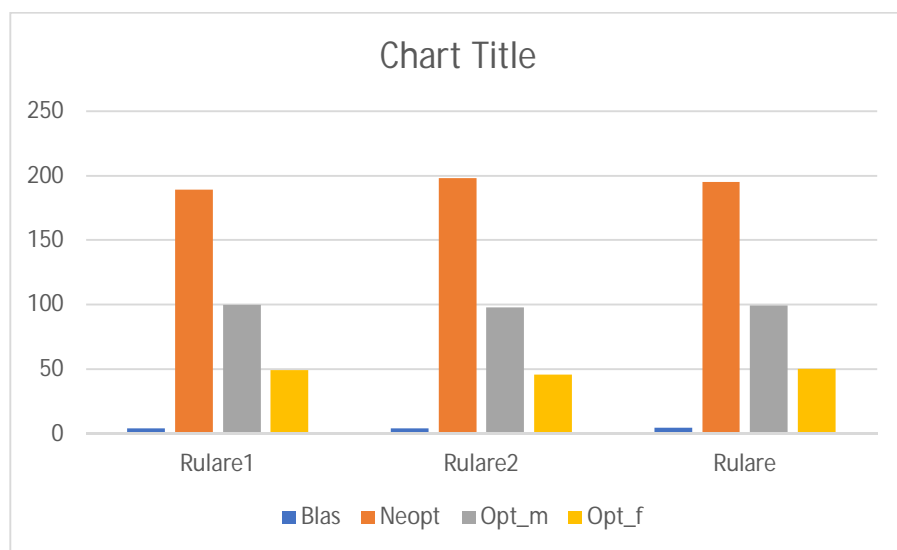


Analiza performantei

Compiler GCC:

Dupa cum se poate observa, cea mai optima varianta este cea in care utilizez BLAS. Dupa care urmeaza variant opt_f, care este de fapt variant neopt compileate cu flagul O3. Pe al treilea loc se afla variant opt, iar varianta "de mana" fiind logic, cea mai lenta.

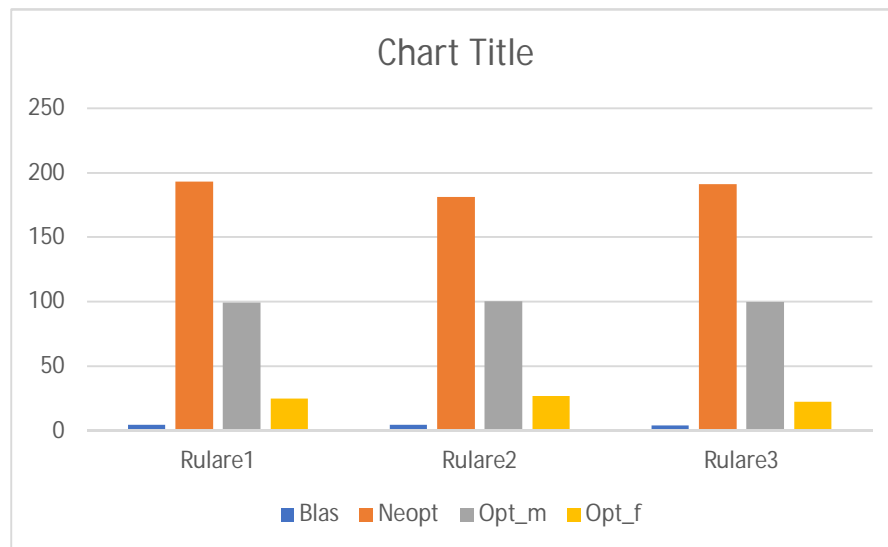
Nr crt rulare	Mod Nr test	Blas	Neopt	Opt_m	Opt_f
1	Test1	0.053411	1.754519	1.249823	0.796372
	Test2	0.764310	30.143295	19.582869	9.852789
	Test3	3.005259	157.181137	78.723488	38.255057
	Suma	3.82177	189.078951	99.55618	48.904218
2	Test1	0.053527	1.813065	1.353667	0.787275
	Test2	0.751428	33.673126	18.718220	7.688397
	Test3	3.012894	162.374512	77.558296	37.019321
	Suma	3.817901	197.860703	97.630183	45.494993
3	Test1	0.055591	1.998267	1.92323	0.893045
	Test2	0.846734	32.108902	19.112831	9.922078
	Test3	3.196847	160.955093	78.114738	39.083176
	Suma	4.099172	195.062262	99.150799	49.898299



Compiler ICC:

La fel ca si in cazul compilerului GCC, timpii de rulare variaza $\text{Blas} < \text{Opt}_f < \text{Opt}_m < \text{Neopt}$. Insa se poate observa ca, varianta Opt_f este optimizata mai bine de compilerul ICC, decat de GCC, timpul de rulare fiind de aproximativ 2x mai mic.

Nr crt rulare	Mod Nr test	Blas	Neopt	Opt_m	Opt_f
1	Test1	0.060836	2.061062	1.227846	0.129416
	Test2	0.845552	31.964432	19.395048	4.152874
	Test3	3.196276	157.711502	78.372082	20.170371
	Suma	4.102664	191.736996	98.994976	24.452661
2	Test1	0.059907	2.034751	1.385292	0.194244
	Test2	0.844988	30.552795	19.265039	4.328006
	Test3	3.208007	158.511826	79.286041	21.880096
	Suma	4.112902	191.099372	99.936372	26.402346
3	Test1	0.053713	2.041175	1.213367	0.222127
	Test2	0.754751	31.457752	19.409412	3.311137
	Test3	3.006270	157.329407	79.032440	18.676105
	Suma	3.814734	190.828334	99.655219	22.209369



Concluzie:

Nu exista diferente foarte mari de performanta intre compilatorul GCC vs ICC, cu exceptia modului Opt_f, unde timpul de rulare este redus la jumatatea fata de compilarea cu GCC. Timpii de rulare difera in functie de modul folosit Blas < Opt_f < Opt_m < Neopt.

