	СРИ			AVX2		cpu x 4 +	THREADS	cpu x 4 + avx2	FORKS	Supercomputadora	GPU loopunroll+ loopunroll+		FPGA zynq7010	FPGA virtex7
	]	oop unroll h	ack 64 bits		loop unroll				loopunroll		1x1/64x1/1x64			
letras	4	4	4	4	4	5	5	5	5	4	5	(	????	????
					16M		1G	1G	1G		1G	68G		
Normal	6.84	6.98	6.56					97	92					
-01	3.26	1.75	5.06	0.59				7	7					
-02 -03	2.84	1.75	4.95	0.57		33		/	/	1 1	2.0			10000
-03 velocidad [MH*s]	2.95 <b>5M7</b>	9.6	4.94 3.4	0.59 <b>28.4</b>	0.35 <b>47.9</b>	32.5	179.9	153.4	153.4	1.1	33.5	1100	3 ? ? ? ? ? ? ? ?	????
erocraad [mi 5]	JH7	3.0	3.4	20.4	47.5	32.3	173.3	155.4	133.4	15	33.3	1100		
recuencia [Ghz]	2.5	2.5	2.5	2.5	2.5	2.5	2.7	2.5	2.5				????	????
recio conjunto	600	600	600	600	600	600	12000		600	160	600	600		3
recio parte							3400				33	33		
onsumo	15	15	15	15	15	15	130	15	15	2	23	23	3	3 ????
ashes	16777216	16777216	16777216	16777216	16777216	1073741824	1073741824	1073741824	1073741824	16777216	1073741824	68719476736	5	
hashes	16.78	16.78	16.78	16.78	16.78		1073.74	1073.74	1073.74	16.78	1073.74	68719.48	3	
iempo [s]	2.95	1.75	4.94	0.59		33	6	7	7	1.1	32	63	3	
elocidad [Mhashes*s]	5.69	9.59	3.40	28.44	47.93		178.96				33.55			
hashes * W	0.38	0.64	0.23	1.90			1.38				1.46	47.43		
hashes * \$	9.4786531073	15.9783009524	5.6603292848	47.3932655367	79.8915047619	54.2293850505	14.9130808889	255.6528152381	255.6528152381	95.3250909091	55.9240533333	1817.975575026		
_														
digito	se	gundos o minutos	5											
digitos digitos		horas		dias	dias	dias		dias		dias	dias	homog		
digitos digitos		semanas años				meses		meses				horas		
		anos	· ·											

threads x 32 Threads x 4 + avx Forks x 4 + avx cores x 16

32 181.99

178.96

1.38

178.96

14.9130808889

threads x 32

32.54

2.17

54.2293850505

32 181.99

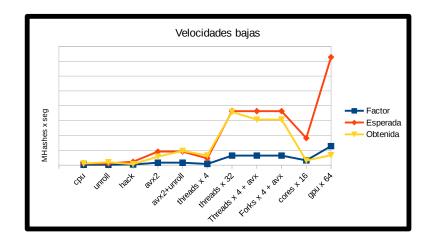
153.39

153.39

10.23

255.6528152381

Threads x 4 + avx Forks x 4 + avx cores x 16



cpu

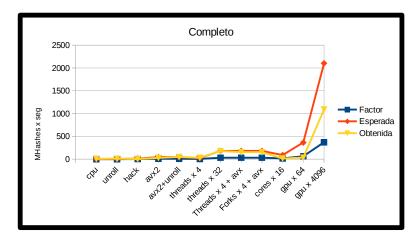
Factor

Esperada

Obtenida

por dolar

velocidad [MH\*s]



threads x 4

threads x 4

45.50

47.93 3.20

79.8915047619

avx2+unroll

avx2+unroll

45.50

28.44

1.90

47.3932655367

avx2

avx2

11.37

3.40

0.23

5.6603292848

hack

hack

9.59

0.64

15.9783009524

unroll

5.69

5.69

0.38

9.4786531073



181.99

153.39

153.39

255.6528152381

10.23

gpu x 64 16

363.98

33.55

1.46

55.9240533333

gpu x 4096

91.00

15.25

7.63

95.3250909091

370

2104.26

1090.79

1817.9755750265