

























Name	Description	Workload	WCMP	Period	Period
	I arne Task	(bytes)	(no cache)	(Normal)	(HP)
MM	Multiplication of two 100x100 Int matrices	120000	153140000	117800000	102093333
SRT	Bubblesort of 1000 double array	8000	113925998	159496397	227851996
FIB	Computation of the 30 first Fibonacci numbers	16	7790	155800000	3895
FFT	Fast Fourier transformation of 512 complex numbers	8192	1655808	152334336	3311616
	Medium Tas	k Set			
CNT	Counting and sum of values in a 100x100 Int matrix	40000	1140000	570000	285000
SQRT	Computation of the square root of 1384	16	5360	241200	2680
ST	Computation of Sum, Mean, Var (1000 doubles)	16000	532000	266000	266000
NDES	Encryption and decryption of 64 bits	960	220938	331407	110469
	Table 1. Benchr	narks use	ed.		





			Com	pare	es ut	iliza	tion	leve	ls.			
	Large Task Set						Medium Task Set					
	32KB			16KB			32KB		16KB			
Ways	1	2	4	1	2	4	1	2	4	1	2	4
LOCK Ours	0.93	0.93	0.93	1.19	1.19	1.19	1.51	1.75	1.74	2.16	2.19	2.18
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Tabl	e 2. P	erforn	nance	of sta	atic ca	ache i	OCKIN	ig and	ourd	ache	anaiy	/SIS.
Tabl	e 2. P	erforn	nance	of sta		ache i	оскіп	ig and	ouro	acne	anary	/515.
abl	e 2. P	erforn	nance	of sta	atic ca	ache i	OCKIN	ig and	ouro	acne	anary	SIS.