



































































	eriments (201		an Intel Xeor	n Haswell	
	Dense matrix product: 4096x4096, double precision Processor: Intel Xeon <i>Haswell</i> E5-2637 v3 - 2014 (4 physical cores – 2 threads/core)				
	Seq. Naive -O0	Seq. Naive -O3	-O3 + Optimized code + Vectorization	BLAS monothread (OpenBLAS)	
	0.12 Gflops	0.35 Gflops	3.10 Gflops	46.3 Gflops	
	x1.0	x2.9	x25.8	x385.8	
			2 threads/core	1 thread/core	
$\rightarrow$ Use optimized HPC libraries when available					
	$\rightarrow$ Optimize y	our source coo	de when HPC library	does not exist	2





