

#### 4. Gamintojo raštai

Testų atlikimo deklaracija:



## System benchmark declaration For Vilnius University (VU)



SGI UV 2000



<b>Customer :</b>	Vilnius University
<b>Supplier :</b>	UAB B.G.M. (BGM)
<b>SGI benchmark persons:</b>	Dusan Pokorny, dusanp@sgi.com
<b>Benchmark place :</b>	SGI, USA
<b>Delivered :</b>	2016-06-21

## Benchmark performance

The following benchmarks had been run on SGI UV 2000 system in configuration bellow and such performance results were reached:

Application	Value*
SPECCompG_base2012	21.6
HPCC HPL Linpack efficiency ( $R^{max}/R^{peak}$ )	100,34% (2312GFLOPS / 2304GFLOPS)
EPCC, SYNCBENCH job values: - PARALLEL FOR: - REDUCTION: - BARRIER:	45,4 $\mu$ s 24,2 $\mu$ s 16,7 $\mu$ s

\* Without using "Hyper-Threading" processors technology.

## System Configuration

System configuration for the declared application performance metrics:

Architecture	SGI UV 2000
Computing sockets/ Cores #/ Threads #	12 / 120 / 240
Memory total	768 GB
Processor type	Intel Xeon E5-4650v2
CPU clock frequency	2.4 GHz

The Linux environment of the SGI UV 2000 system is based on Linux x86-64 OS, SGI Performance Suite (includes SGI MPI (MPT)), Intel Fortran and C++ compilers, Intel Math Kernel Library (MKL).



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Brno, June-21, 2016

SGI statement for the bid in Vilnius university:

SGI (headquarters located at 46600 Landing Parkway Fremont, CA 94538, USA) is established and reputable manufacturer of broad portfolio of computer hardware equipment, software and services under the name SGI.

With this letter I hereby confirm that SGI UV2000 system (hereafter – System) is certified for RHEL 6/7 and SLES 11/12 operating systems. CentOS 6.x, being a clone Linux distribution of RHEL, is successfully run on the System by a few SGI customers what indicates CentOS 6.x is also an option to be used with the System.

A handwritten signature in black ink, appearing to read 'Michal Klimeš', with a long horizontal flourish extending to the right.

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Michal Klimeš  
Managing Director Central and Eastern Europe