

Benchmarking Activities

The CERN IT techlab project hosts a variety of different processor architectures (ARM, POWER8, NVIDIA and AMD GPUs, etc.). <https://twiki.cern.ch/twiki/bin/viewauth/IT/TechLab> For each architecture measurements of HEPSPEC06 and power consumption are done. The 2006 systems cannot compete with the standard INTEL servers CERN is buying for their compute farms. The price/performance and power/performance is factors (2-4) worse.

The usual SPEC benchmarks can be found here: <https://www.spec.org/benchmarks.html>

The HEP benchmark (HEPSPEC2006) is based on the integer part of the SPEC benchmark. More details about the usage can be found on this web page: <http://w3.hepix.org/benchmarks/doku.php?id=homepage> A HEP benchmarking group has been established with a focus on how well the 'artificial' benchmarks are representing the performance of the actual experiment event processing codes. latest status report at the fall HEPIX 2016: * HEP__benchmark_group_status-report-2016-10-19.pdf:

A large (graphical) collection of SPECint_rate measurements (AMD, INTEL, Sparc, IBM) over the last years can be found here: <https://public.tableau.com/profile/karlarao#!/>

-- BerndPanzerSteindel - 2017-01-18

This topic: Main > BenchAct

Topic revision: r1 - 2017-01-18 - BerndPanzerSteindel



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback