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OpenMP offload optimization guide: beyond kernels -Lessons learned in QMCPACK

Intel Compiler and VTune Performance Profiling Tool ~~Intel Compilers Overview Scalable Performance for Intel Processors Compiler Optimization Performance Tuning on KNL with Intel Parallel Studio XE 2017 Cluster Edition CppCon 2017: Carl Cook "When a Microsecond Is an Eternity: High Performance Trading Systems in C++" Enterprise-scale machine~~

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translation with Spence Green, CEO of Lilt

~~AMD vs Intel - Don't Make a Mistake~~
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~~8GB vs 16GB - Don't Make a HUGE Mistake!~~
~~How I~~
~~Would Learn Data Science (If I Had to Start Over)~~
~~MacBook M1 long time Review - Developers~~
~~perspective MacBook Pro M1 3 months Later!~~
~~Performance Issues Follow Up~~
~~How Apple JUST Ruined~~
~~the M1 iPad Pro with iPadOS 15..~~
~~NEW MacBook Air~~
~~(M1) - 25 Things You NEED to KNOW!~~
~~Horizon Zero~~
~~Dawn PC - Best Graphics Settings + How To Increase~~
~~Performance 2020~~
~~HOW TO FIX FPS DROP~~
~~STUTTER IN | HORIZON ZERO DAWN | DECEMBER~~
~~2020~~
~~Horizon Zero Dawn GPU Benchmark: Navi~~
~~Crushes, Vega Gets Crushed~~
~~CppCon 2018: Nir~~
~~Friedman "Understanding Optimizers: Helping the~~
~~Compiler Help You" Intrinsic Functions - Vector~~
~~Processing Extensions~~
How the C++ Compiler Works
Install Intel C++ Compiler or Parallel Studio XE on
Windows

Advanced CPU Designs: Crash Course Computer
Science #94. Assembly Language & Computer
Architecture

Algorithmic and microarchitecture optimizations of
C++ applications - Alexander Maslennikov
Performance: SIMD, Vectorization and Performance
Tuning | James Reinders, former Intel Director Intel
Compiler Optimization Guide

Intel shipped a big update to their open-source Intel
Graphics Compiler "IGC" that is used currently by
their Windows driver, their Linux compute stack, and
potentially their Linux graphics drivers ...

Intel Graphics Compiler 1.0.7683 Ships With Many

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Changes

Intel has been making noise in virtually all segments of the storage market as of late. A few weeks back, we took a look at the Optane Memory H20, which combines 3DXpoint media with traditional ...

Intel SSD D7-P5510 Review: Ultra-Fast PCIe 4 Enterprise Storage

When I tell people I'm a search engine optimization (SEO) specialist, I see their eyes glaze over. I often resort to a short response of, "I get companies to show up at the top of Google." We all know ...

The Importance of SEO to Your Vacation Rental Website and Marketing Strategy

Intel appears to have changed just that with their newest Intel ... a metal VESA adapter plate to install the NUC 11 Pro on the back of a monitor, Quick Start Guide and the power brick. Perhaps just a ...

Intel NUC Pro Kit NUC11TNKV7 Review – Intel Moves to the Best in Sabrent Storage

Industry veteran Shlomit Weiss is returning to Intel to lead the company's full range of chip development and design—the entire CPU silicon gamut, in other words. Weiss brings with her over ...

Intel Recruits Revered Skylake Architect Shlomit Weiss To Lead Client CPU Development

While Clear Linux is certainly not the first distro developed by a tech heavyweight, it's a rare when a private company releases a distro with no direct commercial application. It's an experiment to ...

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Clear Linux* Delivers a Lucid if Limited Vision of Desktop Linux

Intellimize, a startup leveraging AI to personalize websites for unique visitors, has raised \$30 million in a venture capital round.

Intellimize raises \$30M to optimize websites with AI
Inside every modern CPU since the Intel Pentium fdiv bug, assembly instructions aren't a one-to-one mapping to what the CPU actually does. Inside the CPU, there is a decoder that turns assembly ...

34C3: Hacking Into A CPU's Microcode

Quantum computers are beginning to emerge in many industry and research labs. But what are qubits? And are the challenges ahead to control the quantum properties ...

What is Quantum Computing?

It appears that Intel's Xe-HPG DG2 gaming GPU announcement ... (EUs), writing that there was still "lots of game and driver optimization work ahead."
There was also a tweet from reliable leaker ...

Intel hints at imminent Xe-HPG DG2 gaming GPU reveal

While edge computing has seen an exponential growth in the last few years, developers are experiencing issues in implementing AI and edge software solutions. Intel DevCloud for the Edge addresses ...

Enabling telemetry for custom models in Intel DevCloud for the Edge

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Last July, I took note when Intel released the Neural Compute Stick. It looked like an oversized USB stick, and acted as an accelerator for local AI applications, especially machine vision.

AI On Raspberry Pi With The Intel Neural Compute Stick

On our Test Bench today is the newest Intel SSD Optane P5800X PCIe 4.0 NVMe SSD and we must say that we are pretty impressed. In fact, I am left with a lingering question as to whether this level of ...

Intel Optane DC P5800X PCIe 4 NVME SSD Review – SSD Perfection Via Throughput, IOPS and Latency

"Intel Bridge Technology is a run-time post compiler to enable applications that are not compiled to run natively on x86-based devices—such as Android-based mobile applications—to run on those ...

Windows 11 will let you run Android apps directly on the desktop

Intel says Bridge is a runtime post-compiler that allows applications that were originally designed for a variety of different hardware platforms to run natively on x86 devices. The company points ...

Intel's Bridge technology will allow Android apps to run natively on Windows 11

Editors' Note: Intel and Microsoft have provided a statement to Tom's Guide with further clarification ...

"Intel Bridge Technology is a runtime post-compiler that enables applications to run ...

Windows 11 will run Android apps — here's how

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At Microsoft's Windows 11 unveil event Thursday (June 24), the software giant announced that PC apps will not be alone on this new OS. Windows 11 will run Android apps — but that does not mean ...

Windows 11 Android apps — be prepared for disappointment

Intel has plotted out its strategy to re-take the CPU crown from AMD, and APC dives in deep to reveal just what tricks and tech Team Blue has in store for us. Plus, the hot new Nvidia RTX 3070 Ti ...

APC's August issue is on sale now!

With the best RAM for gaming, you can ensure that your CPU and graphics card are running optimally. It's the easiest and swiftest upgrade for your rig, and seeing as dropping the best graphics ...

The best RAM for gaming in 2021

We've been hotly anticipating the arrival of Intel's official desktop gaming graphics cards for a while now, and we're pretty sure they will be launching sometime this year. But the Blue ...

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