AI Compilers and the Race to the Bottom

"We have this really high-performance runtime, but a lot of projects don’t care because they aren’t in the data center," explained Jordan Fix, a research scientist at Facebook. "They need to do ahead-of-time compilation, shrink as much as they can, use quantization and parallelization, and not have a lot of dependencies."

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ANALOG MARKET NEWS

Semico Releases New Report on Analog Market

Per the report, this will be the second year in a row that registers decline in both revenues and units. Further, the average selling point of Analog has dropped for the fifth year, and is expected to fall to $0.318 in 2020. The report does forecast, however, that sales will revert to established trends over the
next five years, sales growth should hit 2.9% in dollars.
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IoT Development Kit Guide
Help for embedded and Internet of Things (IoT) design engineers to efficiently identify evaluation kits for system prototyping.
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DEVELOPMENT TOOLS & OPERATING SYSTEMS NEWS
IAR Systems Adds Functionality to Functional Safety Certified Renesas RH850 Development Tools
Per the company, the added functionality is useful in systems where applications are loaded dynamically. When using position-independent code and read-only data (ROPI), the compiler in IAR Embedded Workbench for RH850 will generate code that uses PC-relative references for addressing code and read-only data.
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Data management - from embedded to IoT systems. Learn about new database management requirements to meet these new challenges.
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Toshiba Announces New Dual-Channel H-bridge Motor Driver IC with PWM Control
The on-resistance of this driver at typical operating conditions is just 0.48Ω. This is advantageous from a thermal management perspective, as there is less heat that needs to be dissipated.
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HOME AUTOMATION FEATURE

Raspberry Pi Home Automation Part 2: Flash Devices With Tasmota Firmware
While a Raspberry Pi is the central hub of this home automation system, it of course needs devices that work with it. To avoid any sort of cloud/privacy issues often inherent with stock firmware, I first flash my devices with Tasmota.
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Date: November 10; 11:00 a.m. ET, 2:00 p.m. ET, 4:00 p.m. ET
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