When it comes to Radeon GPU offloading for compute, most of the emphasis placed by AMD has been on Radeon Open Compute (ROCm) and now as part of that as well is the AOMP compiler for OpenMP targeting the AMD GPUs. Both ROCm and AOMP along with their other graphics driver components like RadeonSI and AMDVLK target an LLVM-based compiler stack as their principal focus, but they do continue engaging with Mentor Graphics who leads the development work on a Radeon GPU back-end for GCC.
Starting with LLVM Clang 12.0 next year, the Clang compiler on x86/x86_64 CPUs will finally honor -mtune= in a similar manner to GCC.

GCC has long allowed the -mtune= option on Intel/AMD processors for supporting microarchitectural tuning optimizations (scheduler model) to be applied independent of the CPU being targeted for instructions to enable that is set via the -march=. LLVM Clang is now supporting -mtune= as well in its x86 code for allowing this finer-grained tuning separate from -march=. Like GCC, if -mtune is not set it will follow the value specified via -march otherwise the defaults (generic).

- **Dirk Eddelbuettel: anytime 0.3.9: More Minor Maintenance** [4]

A new minor release of the anytime package arrived on CRAN yesterday. This is the twentieth release, but sadly we seem to be spinning our wheels just accommodating CRAN (which the two or three last releases focused on). Code and functionality remain mature and stable, of course.

anytime is a very focused package aiming to do just one thing really well: to convert anything in integer, numeric, character, factor, ordered, ? format to either POSIXct or Date objects ? and to do so without requiring a format string as well as accommodating different formats in one input vector. See the anytime page, or the GitHub README.md for a few examples.

- **Perl Weekly Challenge 75: Coin Sums and Largest Rectangle Histogram** [5]

These are some answers to the Week 75 of the Perl Weekly Challenge organized by Mohammad S. Anwar.

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**Source URL:** [http://www.tuxmachines.org/node/141502](http://www.tuxmachines.org/node/141502)

**Links:**
[4] [http://dirk.eddelbuettel.com/blog/2020/08/28#anytime_0.3.9](http://dirk.eddelbuettel.com/blog/2020/08/28#anytime_0.3.9)