GSoC Cortex-R4F RTEVIS portation

Přemysl Houdek

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RTEMS (Real-Time Executive for Multiprocessor Systems)

- Real-time operating system
- GNU General Public License version 2 or higher
- Long history (since 1980')
- Mailing lists, IRC channels
- Wide range of processors
- Space traveling

Cortex -R4F

- ARMv7-R architecture (Thumb-2 / ARM instructions)
- Harvard memory architecture
- Dual core (lock step mode)
- Fast interrupt response (LLIM)
- Floating Point Unit
- ... and much much more

GSoC - My dream project

- Run RTEMS on Ti's TMS570LS3137
- Debugging support (serial port)
- Timer support
- Ethernet support
- Have a (one) free weekend



- Registration
- Approved
- Blog pending

Thank you for attention.