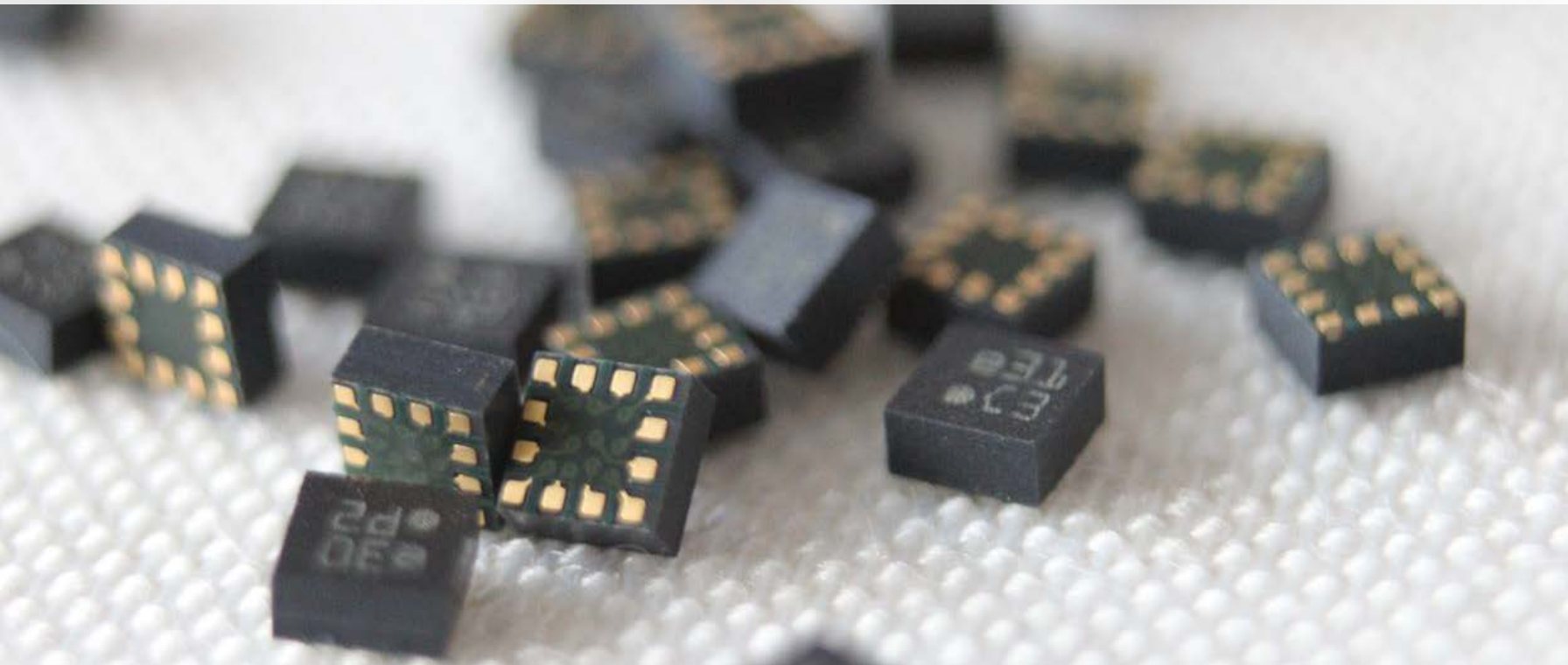


gnuplot – A Picture Says a Thousand Numbers...

Harald König – LinuxCon Europe 2015, Dublin



Bosch Sensortec

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Agenda

- me and BST
- Docs
- Many examples...
- ... and here and there a few warnings, problems, hints, ...



me

- First „OpenSource“ in school (1980, CBM-3032)
- (sup)porting TeX since 1986 at University of Tübingen
- VMS (1985) and UNIX (1987) at university
- Never again INTEL x86 (1989/90)
- Linux 0.98.4 (1992), again Intel;-)
- XFree86 (S3, 1993-2001)
- science + computing ag in Tübingen since 2001
- Bosch Sensortec GmbH in Reutlingen since 2014
- ...



Bosch – the MEMS supplier

Out of one hand MEMS sensors, actuators and solutions

Bosch Sensortec



- Accelerometers
- Geomagnetic sensors
- Gyroscopes
- Pressure sensors
- Humidity sensors
- Combo sensors
- ASSNs

Akustica



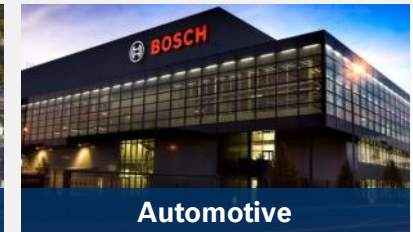
- MEMS microphones

Bosch Connected Devices & Solutions



- Smart sensor/ actuator nodes
- Embedded SW & Algorithms
- Customized IoT sensor & actuator solutions

Automotive Electronics



- Accelerometers
- Angular rate sensors
- Pressure sensors
- Mass flow sensors

Bosch Sensortec



Docs

- `man gnuplot`
- `gnuplot> help`
- `less /usr/share/gnuplot/gnuplot.gih`
- `$browser /usr/share/doc/gnuplot-doc/html/index.html`
- `$browser http://www.gnuplot.info`
- `mkdir /tmp/gp-show`
- `cd /tmp/gp-show`
- `cp /usr/share/doc/gnuplot-doc/examples/* .`
- `gunzip *.gz`
- `gnuplot`
- `load "all.dem"`

First Steps

- `plot sin(x)`
- `plot "datafile.dat"`
- `set xlabel "My X Axes [units]"`
- `set ylabel "My Y Axes [units]"`
- `replot`
- `set title "My First Diagram"`
- `plot "datafile.dat" title "my label"`
- `save "datafile.gp"`
- `set terminal pdf`
- `set output file "datafile.pdf"`
- `replot`

Many many colorful Pictures

→ Everything else live in an xterm...



Attachments:

[gnuplot_bash_history](#)

[gnuplot_history](#)