

LORRIS TOOLBOX

Software development kit for microprocessors

http://tasssadar.github.com/Lorris Vojtěch Boček



About project

Lorris is extensive set of tools designed to help with development, debugging and controlling of various electronic devices, for example robots.

Lorris currently contains four different tools: analyzer, programmer, terminal and proxy server.

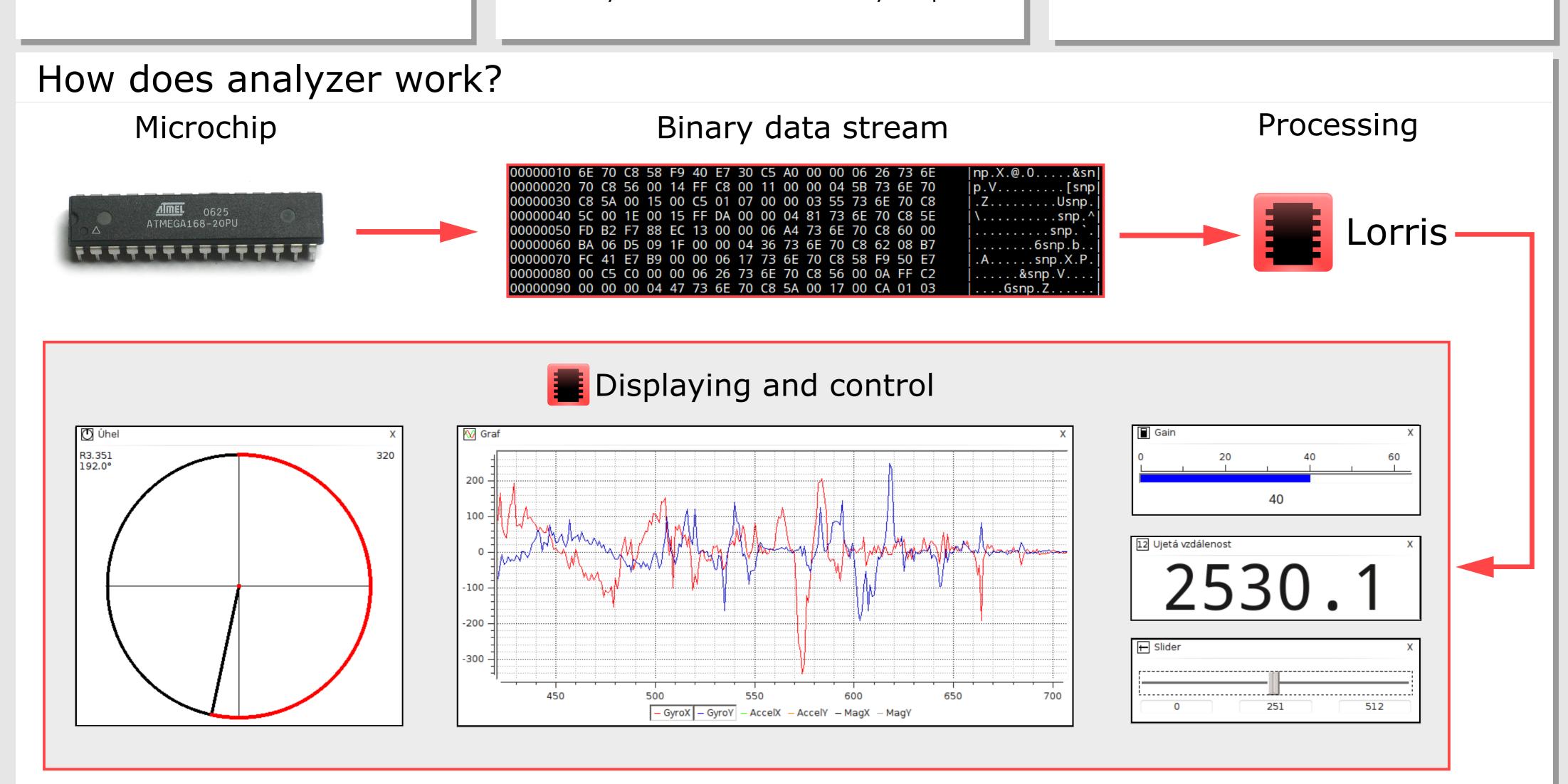
Analyzer

Analyzer can parse and display any binary data stream. It uses "widgets": little windows with specific piece of data - number, angle, bar, color, graph and so on. Analyzer can also send data back to the device, which can be used to for example control robots.

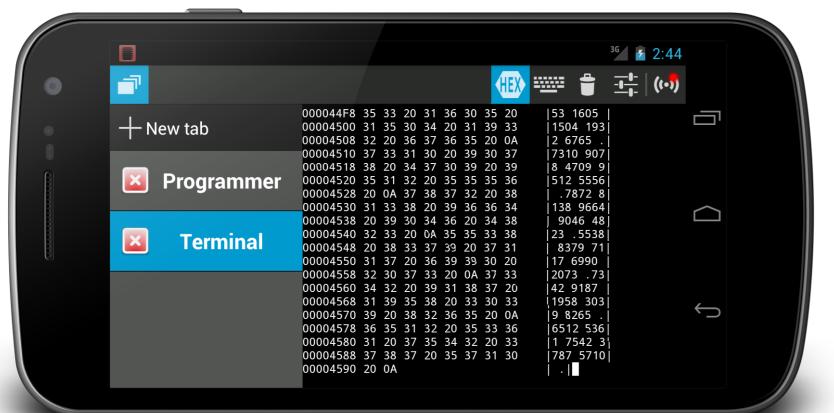
The Analyzer's environment is fully scriptable.

Unique tool

Value of Lorris as tool for developers equals that of 3D CAD programs for engineers. It significantly simplifies and speeds up the of development whole process microprocessors, it even enables new methods of developement which were not possible because of lack of proper tools.



Lorris mobile



Lorris mobile is portable addition to desktop program. It is application for Google Android, which contains the most important tools - programmer and are currently terminal, others in development. Bluetooth and TCP socket (Wi-Fi) can both be used to connect to the device.



Real-world use

-54.1

Lorris' main window

Filtry Všechna data

12 Ujetá vzdálenost

Menu ∨ Analyzér - rfcomm79 🔕 Terminál 🔕 Script 🔕 Analyzér 🔕 🚓

📗 📼 clear

Several companies have already been using Lorris for more than a year, among them is DDM Junior in Brno with its technical-oriented classes. Many robots for competitions (like Robotic day in Prague) are made there and Lorris singificantly helps with their development. This gives me live feedback from several dozen real users, for which Lorris became irreplacible development tool.

103 800

103 900

Analyzér - Lorris v802

📗 🚹 Ovladani

Status

12 Zrychlení

104 000

- rychlost - zrychleni

104 100

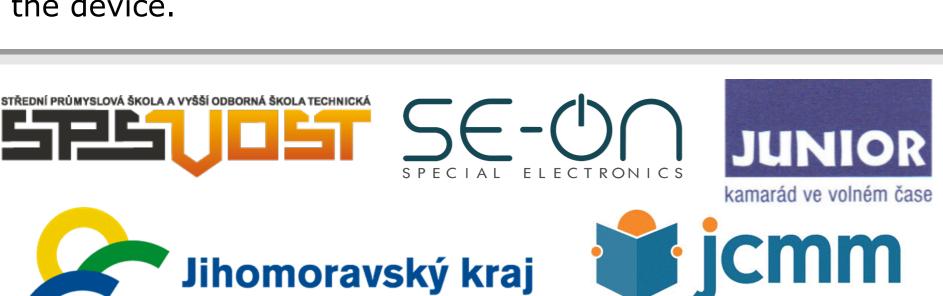
📔 Nový zdroj 📙 Otevřít 🖎 Uložit 🎥 Uložit jako 🛮 💮 Změnit strukturu 🛮 🍾 Vymazat data

Resetovat error flag

Graf

100 -

Gain



This work was financially supported by JMK and JCMM.