

Tečaj: Osnove LabVIEW programskega okolja

<http://www.fs.uni-lj.si/lasin/www/teaching/labview/>

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00 Uvod

Predstavitv programa tečaja
Predstavitev aplikacij LASIN

01 Programming Fundamentals

Problem solving

02 Navigating LabVIEW

Introduction to VI
Front panel
Block diagram
Working with projects

03 Using LabVIEW

Data Flow
Express VI

04 Creating VI

Documenting code
Using Loops
Plotting data
Making decisions

05 Relating Data

Arrays
Clusters

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06 File Read Write

Spreadsheet Read & Write
Disk streaming
Binary data
Configuration files

07 Correcting VI

Help utilities
Debugging

08 Modular Applications

Creating and using SubVI

09 Acquiring Data

Data Acquisition
Instrument Control

10 Design Architectures

Sequential programming
State machine

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11 Scientific computation

Labview Math functions
Formula node
Matlab shell

12 Extra topics

Local variables
Event structure
Property nodes
Refactoring VI code
Creating and distributing applications

13 Example project: DAQ-Lab

Develop a laboratory measurement application

14 Test

Pisno preverjanje znanja
Podelitev potrdil