MERNI INFORMACIONI SISTEMI

Profesor dr Miroslav Lutovac mlutovac@viser.edu.rs

Zašto LabVIEW?

- Koristiti LabVIEW da se reši problem
- Da se pronađu i koriste math i funkcije za kompleksnu analizu
- Da se radi sa različitim tipovima podataka
- Da se prikažu rezultati
- While Loop
- For Loop

Simulacija pomoću virtuelnog instrumenta

14 NITLabVIEW 2014 (32-bit)	LabVIEW 2014	1	Search
	Create Project		Open Existi
	Recent Project Templates		All Recent Files
	Blank VI		SasaStojanovic.vi
			Acquiring a Signal.vi
			Jovan 1.vi



- 1. Open LabVIEW
- 2. clicking on Blank VI in the LabVIEW Getting Started
- 3. Save the VI as Circle Area Perimeter.vi
 - 1. Select File \rightarrow Save
 - 2. Navigate to the location to save
 - 3. Name the VI Circle Area Perimeter.vi
 - 4. Click OK

- VI which calculates
 - area of a circle
 - perimeter of a circle
- given radius r

Create the front panel

control receives input, indicator displays output

- Right-click on the front panel to open the Controls palette, and put down a Numeric Control from the Modern \rightarrow Numeric subpalette
- Double-click on the label for this control and rename it to r
- Place down **two numeric indicators** from the Modern
 → Numeric subpalette and rename them Area and Perimeter
- change the font of the labels using the font drop-down menu near the menu bar

Context Help

Ctrl-H

When you hover over any block or connector, the Context Help will provide a brief description of its function or its type, depending on context



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Softverski alati

C

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- 1. Open LabVIEW
- 2. clicking on Blank VI in the LabVIEW Getting Started
- 3. Save the VI as Number to Match.vi
 - 1. Select File \rightarrow Save
 - 2. Navigate to the location to save
 - 3. Name the VI Number to Match.vi
 - 4. Click OK

- use of a While Loop structure
- Generating a random integer between 0 and 100 in a loop untilit matches a number defined by the user

• Create a random number generator, to generate integers between 0 and 100 inclusive, in a While Loop















Select the Highlight Execution button in the toolbar of the block diagram, and run the VI while viewing the block diagram



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Ova prezentacija je nekomercijalna.

Slajdovi mogu da sadrže materijale preuzete sa Interneta, stručne i naučne građe, koji su zaštićeni Zakonom o autorskim i srodnim pravima. Ova prezentacija se može koristiti samo privremeno tokom usmenog izlaganja nastavnika u cilju informisanja i upućivanja studenata na dalji stručni, istraživački i naučni rad i u druge svrhe se ne sme koristiti – Član 44 - Dozvoljeno je bez dozvole autora i bez plaćanja autorske naknade za nekomercijalne svrhe nastave: (1) javno izvođenje ili predstavljanje objavljenih dela u obliku neposrednog poučavanja na nastavi; - ZAKON O AUTORSKOM I SRODNIM PRAVIMA ("Sl. glasnik RS", br. 104/2009 i 99/2011)