

Dashboard

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Dashboard

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Recently accessed courses

Miscellaneous
CORELA project

Course overview

All (except hidden)

Course name

Card

Miscellaneous
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Show 12

Timeline

No upcoming activities due

Private files

No files available

Manage private files...

Online users

1 online user (last 5 minutes)

Jelena Stojanovic

Latest badges

You have no badges to display

Calendar

April 2021

Mon Tue Wed Thu Fri Sat Sun

Course: CORELA project

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- General
- Electrical Circuit Quantities
- RLC impedance
- PWM DC motor control
- Introduction
- Topic 5
- Topic 6
- First Kirchoff law exercise
- RTD sensor signal conditioning exercise
- New task
- RLC obuka profesori
- Dioda prof
- RLC obuka učenici

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Electrical Circuit Quantities

- Student 1 results
- Student 2 results
- Student 3 results
- Results - SC Kranj
- Electrical Circuit Quantities results
- Electrical Circuit Quantities forum

RLC impedance

- IMPEDANCE MEASUREMENT guide
- RLC impedance exercise results
- Student 1 results
- Student 2 results
- Student 3 results

The results can be found in the exercises with the following numbers ...

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RLC obuka profesori

Dioda prof


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RLC impedance

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The results can be found in the exercises with the following numbers ...

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RLC impedance

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PWM DC motor control

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Student 1 results

theory/calculation results of CORELA exercise *Impedance Measurement*

CORELA-ImpedanceRLC-TheoryResults-SCKranj.docx



CORELA-ImpedanceRLC-TheoryResults-SCKranj.pdf

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Search forums

RLC impedance forum



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Discussion	Started by	Replies	Last post ↓	Created
☆ Comment of results comparison	Rok Poljanec	0	Rok Poljanec Sat, 17 Apr 2021, 10:22 AM	Sat, 17 Apr 2021, 10:22 AM
☆ Comment of results comparison	Florent Ademi	0	Florent Ademi Fri, 16 Apr 2021, 5:54 PM	Fri, 16 Apr 2021, 5:54 PM
☆ Comment of results comparison	Domen Aljančič	0	Domen Aljančič Fri, 16 Apr 2021, 5:10 PM	Fri, 16 Apr 2021, 5:10 PM
☆ Vladimir Veshoski (Student 3)	Vladimir Veshoski	0	Vladimir Veshoski Fri, 16 Apr 2021, 1:23 PM	Fri, 16 Apr 2021, 1:23 PM
☆ Luka Damjanov (student 3)	Lukas Damjanov	0	Lukas Damjanov Fri, 16 Apr 2021, 12:08 PM	Fri, 16 Apr 2021, 12:08 PM
☆ Timotej Risteski (Student 3)	Timotej Risteski	0	Timotej Risteski Fri, 16 Apr 2021, 12:02 PM	Fri, 16 Apr 2021, 12:02 PM
☆ Jovan Kolevski (student 3)	Jovan Kolevski	0	Jovan Kolevski Fri, 16 Apr 2021, 11:56 AM	Fri, 16 Apr 2021, 11:56 AM

corela Jelena Stojanovic

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Electrical Circuit Quantities forum

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Discussion	Started by	Replies	Last post ↓	Created
☆ Vladimir Veshoski (Student 2)	Vladimir Veshoski	0	Vladimir Veshoski Fri, 16 Apr 2021, 1:22 PM	Fri, 16 Apr 2021, 1:22 PM
☆ Luka Damjanov (student 2)	Lukas Damjanov	0	Lukas Damjanov Fri, 16 Apr 2021, 12:06 PM	Fri, 16 Apr 2021, 12:06 PM
☆ Timotej Risteski (Student 2)	Timotej Risteski	0	Timotej Risteski Fri, 16 Apr 2021, 11:51 AM	Fri, 16 Apr 2021, 11:51 AM
☆ Jovan Kolevski (student 2)	Jovan Kolevski	0	Jovan Kolevski Fri, 16 Apr 2021, 11:45 AM	Fri, 16 Apr 2021, 11:45 AM
☆ Fran Šetka - comparison of results	Fran Šetka	0	Fran Šetka Thu, 15 Apr 2021, 11:32 AM	Thu, 15 Apr 2021, 11:32 AM
☆ Matej Živković.comparison of results	Matej Živković	0	Matej Živković Thu, 15 Apr 2021, 11:31 AM	Thu, 15 Apr 2021, 11:31 AM
☆ Ivan Veselčić - comparison of results	Ivan Veselčić	0	Ivan Veselčić Thu, 15 Apr 2021, 11:30 AM	Thu, 15 Apr 2021, 11:30 AM

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Jovan Kolevski (student 2)
 by Jovan Kolevski - Friday, 16 April 2021, 11:45 AM

Student's 2 results are equal with student's 1 calculations of Rnom, because we got the results via a simulation in Corela platform (with nominal R values). They also calculated the max and min value.

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PWM DC motor control forum

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Discussion	Started by	Replies	Last post ↓	Created
☆ Comparison of results	Davor Mladenovski	0	Davor Mladenovski Mon, 19 Apr 2021, 5:12 PM	Mon, 19 Apr 2021, 5:12 PM
☆ Compassion of the results from student 1 and student 2	Marija Latinovska	0	Marija Latinovska Mon, 19 Apr 2021, 12:37 PM	Mon, 19 Apr 2021, 12:37 PM
☆ comparison of results Student 1 and Student 3	Martin Tomasevski	0	Martin Tomasevski Mon, 19 Apr 2021, 12:34 PM	Mon, 19 Apr 2021, 12:34 PM
☆ Comment of results comparison	Jan Frelj	0	Jan Frelj Fri, 16 Apr 2021, 8:10 PM	Fri, 16 Apr 2021, 8:10 PM
☆ Comment of results comparison	Miha Močnik	0	Miha Močnik Fri, 16 Apr 2021, 8:06 PM	Fri, 16 Apr 2021, 8:06 PM
☆ Comment of results comparison	Nejc Hudobivnik	0	Nejc Hudobivnik Fri, 16 Apr 2021, 4:42 PM	Fri, 16 Apr 2021, 4:42 PM
☆ Matej Ugarković, comparison of results Student 3 and Student 2	Matej Ugarković	0	Matej Ugarković Thu, 15 Apr 2021, 11:21 AM	Thu, 15 Apr 2021, 11:21 AM
☆ Filip Verič comparison of results	Filip Verič	0	Filip Verič Thu, 15 Apr 2021, 11:19 AM	Thu, 15 Apr 2021, 11:19 AM

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PWM DC motor control forum

comparison of results Student 1 and Student 3

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comparison of results Student 1 and Student 3

by [Martin Tomasevski](#) - Monday, 19 April 2021, 12:34 PM

The results of calculations, measurements and simulation are no different.

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Student 1 Results

PWM control for DC motor



[MKD PWM Motor Control_Student 1_Davor Mladenovski.pdf](#)



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Comment of results comparison

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Comment of results comparison

by [Miha Močnik](#) - Friday, 16 April 2021, 8:06 PM

The results of calculations, measurements and simulation are a bit different.

I assume that the measured values are different than the values of theoretical calculations and simulation because of the inaccuracy of the used instruments and measuring errors.

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Matej Živković.comparison of results

← [Ivan Veselčić - comparison of results](#)

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Matej Živković.comparison of results

by [Matej Živković](#) - Thursday, 15 April 2021, 11:31 AM

For the 1.st part Student 1 and student 2 have the same results but students 3 deviates from main results.

For the Rn(2.nd) part student 1 and student 2 have same overall resistance but student 3 has small deviation.

3.rd part of project; All 3 students have difrent results. Probably because of rounding values. Because of that student 3 has closer results to the calculated values.

4.th part of project; Student 1 and student 3 have similiar results, student 2 calculated difrently, results on platform were 3V, 2V and 1V.Probably because of rounding results.

For the last part of project; in simulation some students got 5V and some 6V as result, we calculated 5V, by calculation student 3 result was 5V or close to 5V.

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Comment of results comparison

by [Rok Poljanec](#) - Saturday, 17 April 2021, 10:22 AM

In my opinion the results of calculations, simulation and measurement are different because of several factors: resistance of electrical wires, accuracy of measuring instruments, measurement errors.

I think that the rounding of values in theoretical calculations and in the simulation procedure might be a bit different.

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Jovan Kolevski (student 3)

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Jovan Kolevski (student 3)

by [Jovan Kolevski](#) - Friday, 16 April 2021, 11:56 AM

Our results differ from the others because we got the results in real laboratory, with real elements and not ideal instruments.