**Electronics 1 Lab Crossword Puzzle**

Diagram, schematic

Description automatically generated

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| |  |  | | --- | --- | | **Across** | | | **2.** | Type of probe used with signals. **[bnc probe]** | | **6.** | Program used write lines of code that process, visualize, and analyze data and functions. **[matlab]** | | **9.** | Shares channels with the ADK oscilloscope function. **[spectrum analyzer]** | | **11.** | Section in the lab notebook that comes after the table of contents. **[preface]** | | **13.** | Max voltage output when Channels 1 and 2 are in series on the power supply. **[sixty]** | | **14.** | all sources must be.. **[Cited]** | | **15.** | File type that acts like a log book in Matlab. **[diary file]** | | **16.** | kept a poor notebook and could not prove he invented the laser. **[Gould]** | | **18.** | Laboratory notebooks are to preserve this. **[Data]** | | **22.** | data type of a = [1,2,3;4,5,6;7,8,9] **[matrix]** | | **24.** | Max amount of volts the ADK can supply. **[twenty]** | | **25.** | First button used to access user defined waveforms on the function generator. **[arb]** | | **26.** | used to save logs, graphs or presets on benchtop devices. **[usb]** | | **27.** | amount of sections in a lab report. **[ten]** | | **29.** | Building blocks of digital systems. **[logic gates]** | | **30.** | Are assignments accepted late. **[no]** | | **31.** | 1v at 0A is the \_\_\_ setting on the Power supply. **[default]** | | **32.** | mode used to lower the amount of pins used on the FPGA. **[multiplexed]** | | **35.** | William Shockley was one of three inventors of this. **[transistor]** | | **42.** | Professor of the course. **[Millithaler]** | | **44.** | uses magnetic fields to temporarily store energy. **[inductor]** | | **46.** | Amount of power supply outputs. **[three]** | | **47.** | command that will list name, size, bytes, class and attributes of a variable. **[whos]** | | **48.** | Holds the answers to most questions. **[blackboard]** | | **49.** | Amount of preset waveforms in the function generator. **[six]** | |  | |  |  | | --- | --- | | **Down** | | | **1.** | Tab that shows a tree of files in an open design. **[Hierarchey tab]** | | **3.** | Component depicted on the basic components button in Multisim. **[resistor]** | | **4.** | The function generator has a 50ohm load blank. **[impedance]** | | **5.** | Button on the function generator that adds fluctuations to the signal. **[noise]** | | **7.** | Matlab is its own kind of what. **[programming language]** | | **8.** | promise not to get or give help during a Laboratory Proficiency Evaluation. **[honor pledge]** | | **9.** | must be warn in lab. **[safety glasses]** | | **10.** | uses electric fields to temporarily store energy. **[capacitor]** | | **12.** | Device used to measure signal(s). **[oscilloscope]** | | **17.** | Schools push well maintained lab notebooks for students to develop it as a. **[habit]** | | **19.** | Depicted on the power supply components button in Multisim. **[DC supply]** | | **20.** | Max current output when channel 1 and 2 are in parallel on the power supply. **[six]** | | **21.** | limits the flow of current in a circuit. **[resistor]** | | **23.** | Automatically configures settings on the oscilloscope do display a signal being measured. **[autoset]** | | **28.** | Button on the function generator to create modulated waveforms. **[MOD]** | | **33.** | Amount of oscilloscope channels on the ADK. **[two]** | | **34.** | notebook notes must be written in. **[ink]** | | **36.** | section not required in a condensed lab report. **[summary]** | | **37.** | ADK is short for. **[Analog Discovery Kit]** | | **38.** | Type of software Multisim is. **[Circuit analysis]** | | **39.** | Where you can customize Multisim's UI. **[options]** | | **40.** | Borrowed course material at the end of the semester must be.. **[returned]** | | **41.** | Amount of channels the bench top oscilloscopes have. **[four]** | | **43.** | The author of "Writing the Laboratory Notebook" has this in chemistry. **[Bachelors]** | | **45.** | When enabled, channels 1 and 2 can be controlled together on the power supply. **[track]** | |