



Issue 62

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nanoHUB News

Updates to Jupyter Notebooks in nanoHUB

In case you missed it, last month we introduced an update to Jupyter Notebooks called Jupyter+. This update includes a collection of extensions and themes developed especially for nanoHUB to improve the user experience when developing new notebooks, lessons, and tools. The new table of contents feature can be seen in the image below. This extension collects all headers in cells that are running and displays them as a navigation menu.

The screenshot shows a Jupyter Notebook interface. On the left side, there is a 'Contents' sidebar with a tree view showing a 'Tutorial' folder containing three sub-items: '1.1 First Part', '2 Second part', and '3 Third part'. The main area of the notebook displays code cells. The first cell contains the code 'import art' and shows the output 'Defaulting to user installation because normal site-packages is not writeable Requirement already satisfied: art in /home/nanohub/denphi/.local/lib/python3.8/site-packages (5.8) Note: you may need to restart the kernel to use updated packages.' The second cell contains 'art.tprint("nanoHUB", font="random")' and shows a colorful ASCII art output. Below this, there is a section header '2 Second part' followed by the sub-header 'adding numbers'. This section contains three code cells: the first sets 'a=5' and 'b=2', the second calculates 'c = a + b', and the third calculates 'd = c + 10'. The final cell shows the start of a function definition 'def functiona (oa .ob):'.

Check out the [guide to the new Jupyter notebook features](#) for examples that are ready to run and explore. You can use Jupyter+ extensions now in the [latest version of Jupyter](#) on nanoHUB.

If you missed our webinar demonstrating the new capabilities, you will soon be able to access [the recording here](#). The presentation slides are available in the [supporting documents tab](#).

nanoHUB Partners with Schrödinger for Discounted Access to Online Courses

We recently announced our partnership with [Schrödinger](#), the scientific leader in developing state-of-the-art chemical simulation software.



Through our partnership, you have the opportunity to level up your skill set with hands-on, online computational chemistry courses using industry-leading technology at a discounted rate.

The next session runs April 12 through May 24, 2023. Registration is now open. Use code **NANOHUB6** to receive the special nanoHUB user discount! [Click here for full details and to register](#). Please reach out to us via contact@nanoHUB.org if you have any questions.

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