

1 Installing disLocate

1.1 For Mathematica 12.1 and higher

1. Visit the [Turak Lab GitHub](#) and download the file of the form: “disLocate-#.#.#.paclet”.
2. Place the file in a folder and copy its path.
3. Open a blank Mathematica Notebook, place the following code in any cell and evaluate it

```
Needs["PacletManager`"]  
PacletInstall["C:\\Users\\Username\\Downloads\\disLocate-0.0.1.paclet"]
```

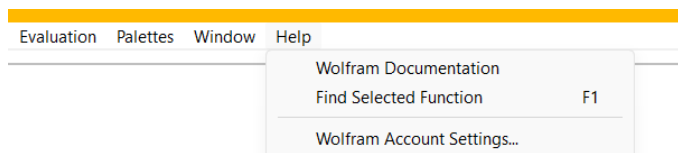
```
In[1]:= Needs["PacletManager`"]  
PacletInstall["C:\\Users\\Ivan\\Downloads\\disLocate-0.0.1.paclet"]  
  
Out[2]:= PacletObject[ Name: disLocate  
Version: 0.0.1]
```

Figure 1: Sample output of succesfully installed paclet

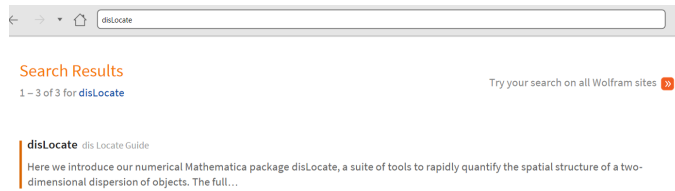
2 Using disLocate

Once you have installed the disLocate paclet, you should be able to access all of its functions after running “Needs[“disLocate”]” (remember to change the context of the notebook to local).

If you are not sure how to use a function, either checkout the examples folder provided on our [GitHub](#) , or read the provided documentation via the Wolfram Documentation centre:



(a) You can access the Wolfram documentation centre from the be help bar in any Mathematica Notebook, or from the welcome window upon Mathematica startup.



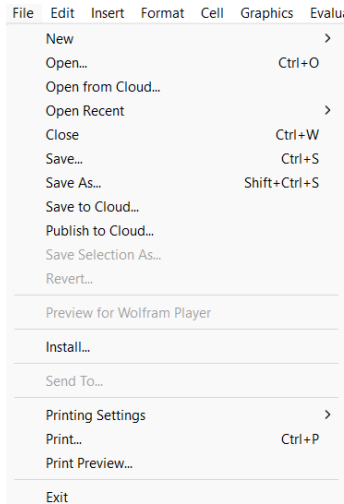
(b) You can then search for disLocate in the search bar, to access the available documentation. Not sure where to start, check out the disLocate guide page, which will have links to all available documentation files.

2.1 For Mathematica 10.0 and higher

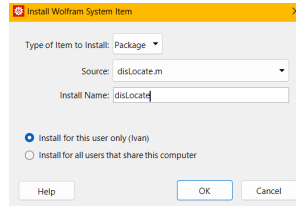
Below we outline two possible ways to install and use “disLocate” on versions of Mathematica 10 and above.

2.1.1 Global Package Addition

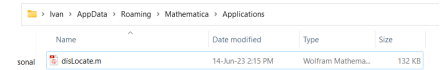
1. Download the disLocate.m file from our [GitHub](#) (in disLocate/Kernel).
2. Open the file. Choose File->Install. Select the type to be Package,source as disLocate.m and set install name to disLocate (as shown in Figure 3b)
3. Alternatively, on Windows, open File explorer and type %AppData% in the search bar From there, navigate to Mathematica/Applications and place the disLocate.n file in this folder. On MacOS place the file in the “ /Library/-Mathematica/Applications” folder.



(a) Download and open the `disLocate.m` file. Then navigate to “Install” in the File tab



(b) Fill out fields as shown above (make sure that source is the same `disLocate.m` file you have currently open).



(c) Alternatively, navigate to the Mathematica/Applications folder and place the `disLocate.m` file there (Windows).

Now you should be able to load the package using Needs as described above.

2.1.2 Local usage of Package

1. Download the `disLocate.m` file from our GitHub (on `disLocate/Kernel`) and place it in the directory where you intend to perform data analysis.
2. Open and save a blank notebook in the same directory where you saved the `disLocate.m` file.
3. In the first cell, place and execute the following code to load in the package (a fully functioning example of analysis with this method is shown on our GitHub in the examples folder).

```
SetDirectory[NotebookDirectory[]];
<< disLocate.m
```

4. Now you should be able to use all of the provided functions.

Note that in both of the methods described above, you will be unable to view the documentation through the Wolfram Centre, but you could still access and download it on our GitHub in the `disLocate/Documentation/English` folder.