# (Auto-)Documentation with Sphinx

## First and general steps:

1. Install Sphinx
2. Sphinx is controlled via the console; be careful, that all commands are executed in the folder the documentation should be in
3. To create the documentation for a new project, run the quickstart-option via  
   sphinx-quickstart, be sure to say “yes” to the autodoc-extansion
4. ! on Windows it is easier to work with “.txt” instead of “.rst”; then the options of sphinx-apidoc have to be changed to “.txt”
5. Convert to html by running .\make clean and .\make html

## Notes

* I did some changes in the “conv.py” file (file, that is generated by quickstart and contains the values that were specified there)  
  uncomment the line sys.path.insert(0, os.path.abspath('.'))  
  changed html\_theme from ‘alabasta’ to ‘default’

## Useful links

* For some infos in ReStructuredText  
  <http://www.sphinx-doc.org/en/stable/rest.html>
* Video explaining some things about auto documentation  
  <https://www.youtube.com/watch?v=qrcj7sVuvUA>

## Autodoc Extension

1. Run sphinx-apidoc –o full path of outputdirctory full path of source directory –s .txt  
   (for me it generated one txt-file from the only existing py-file (apart from conf.py), with the same name and this content:  
   CSpline module  
   ==============  
   .. automodule:: CSpline  
    :members:  
    :undoc-members:  
    :show-inheritance: