tex_to_pdf

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1 tex_to_pdf

Programma per compilare con LaTeX i file *.tex* generati con **ROOT**.

[17]:
```
import os
import glob
import shutil

def tex_to_pdf(infile):
    """
    Function to convert a given input file in .tex format made by ROOT freamwork
    to a pdf file and save it.
    ----------------------------
    Type[infile] : string
    ----------------------------
    NOTE: add <<.tex>> extention
    ----------------------------
    Default Font: Palatino (matching with my thesis)
    """

    outfile = infile[:-4] + "_new" + ".tex"  # Brutto non si può vedere␣
↪(sistemare assolutamente)

    fin = open(infile, "rt")

    fout = open(outfile, "wt")

    fout.write("\\documentclass{standalone}\n")
    fout.write("\\usepackage{tikz}\n")
    fout.write("\\usepackage{newpxtext,newpxmath}\n")
    fout.write("\\begin{document}\n")
    fout.write("%%%%%%%%%%%%%%%%%%%%%%%%%\n\n")

    for line in fin:
        fout.write(line)

    fout.write("\\end{document}")
```

```
    #close input and output files
    fin.close()
    fout.close()

    # RUN LATEX
    os.system("pdflatex " + outfile)

    # REMOVE UNNECESSARY FILES
    os.remove(outfile)
    os.remove(str(outfile[:-4]) + ".log")
    os.remove(str(outfile[:-4]) + ".aux")
```

[19]:
```
#tex_to_pdf("plot_2.tex")
```

[20]:
```
dirpath = "/Users/lorenzomarini/Desktop/cartella_plot_tex/"
for file in glob.glob(dirpath+"/*.tex"): # For all .text file in the given␣
 ↪folder.
    tex_to_pdf(file)
```

[ ]:
```

```