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#!/bin/bash
# Bash (Unix shell), a Unix command shell written for the GNU project
# workshop and scripts provided by Christoph Haag @ workshop november 2011
# http://www.forkable.eu/memo/2011/workshop/lisl/
# script 1 - autotrace svgs

for SVG in `ls *.svg`           #für alle .svg in dem Folder#
do

echo $SVG
echo ${SVG%*.}.pdf

inkscape --export-pdf=${SVG%*.}.pdf $SVG
convert -resize 400 -threshold 70% -monochrome ${SVG%*.}.pdf ${SVG%*.}.png
autotrace -centerline --output-file=${SVG%*.}_trace.pdf ${SVG%*.}.png

done

exit 0;

#--script 2 - combine 2 images, place and make pdfs

#!/bin/bash

# ----- #
# CREATE LIST
# ----- #

INPUTDIR=
LIST=$TMPDIR/stwst.list

# FIND FILES IN A DIRECTORY

find ${INPUTDIR} -name "*.pdf" | \
shuf | \
head -2 | \
sort > $LIST

BEFORE=$TMPDIR/before.pdf
cp `cat $LIST | shuf -n 1` $BEFORE

# ----- #
# USE PDFTK IN A LOOP
# ----- #

for PDF in `cat $LIST`
do
    pdftk $PDF background $BEFORE output $TMPDIR/out.pdf
    cp $TMPDIR/out.pdf $BEFORE
done

mv $BEFORE $OUTPUTDIR/pdftkloop_$COUNT.pdf

COUNT=`expr $COUNT + 1` # hochzählen!

done

exit 0;

#!/bin/bash
#script 2 - place on A4 page

OUTPUTDIR=o
TMPDIR=tmp

# ===== #
# ----- #

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# CREATE SORTED LIST
# ----- #
# ----- #

INPUTDIR=i/pdf
LIST=$TMPDIR/poster.list

# LIST AND SORT ACCORDING TO FILESIZE
# SEE man ls FOR OPTIONS

ls -r ${INPUTDIR}/*.pdf | tail -200 > $LIST

# ===== #
# ----- #
# CREATE LaTeX CONTROL FILE
# ----- #

LISTTOTAKE=$TMPDIR/poster.list
TMPTEX=tmp.tex

echo "\documentclass[9pt]{scrbook}" > $TMPTEX
echo "\usepackage{pdfpages}" >> $TMPTEX

echo "\begin{document}" >> $TMPTEX
echo "" >> $TMPTEX
echo "\includepdfmerge" >> $TMPTEX
echo "[" >> $TMPTEX
echo "nup=9x9,pages=1" >> $TMPTEX
echo "scale=.9," >> $TMPTEX
echo "trim=26pt 26pt 26pt 26pt,clip," >> $TMPTEX
echo "delta=0pt 0pt,offset=0 0" >> $TMPTEX
echo "]" >> $TMPTEX
echo "{" >> $TMPTEX

COUNT=1
HOWMANYPDFS=`cat $LISTTOTAKE | wc -l`

# ----- #
for PDF in `cat $LISTTOTAKE`
do
    KOMMA=","
    if [ $COUNT -eq $HOWMANYPDFS ];
    then
        KOMMA=""
    fi
    echo ${PDF}${KOMMA} >> $TMPTEX
    COUNT=`expr $COUNT + 1`
done
# ----- #

echo "" >> $TMPTEX
echo "\end{document}" >> $TMPTEX

# ===== #
# ----- #
# RENDER LaTeX FILE
# ----- #

pdflatex -output-directory $OUTPUTDIR $TMPTEX

rm $TMPTEX

#mv $OUTPUTDIR/tmp.pdf test.pdf #wenn wir das tmp.pdf in den folder o verschieben wollen und umbenennen
wollen.

exit 0;

```