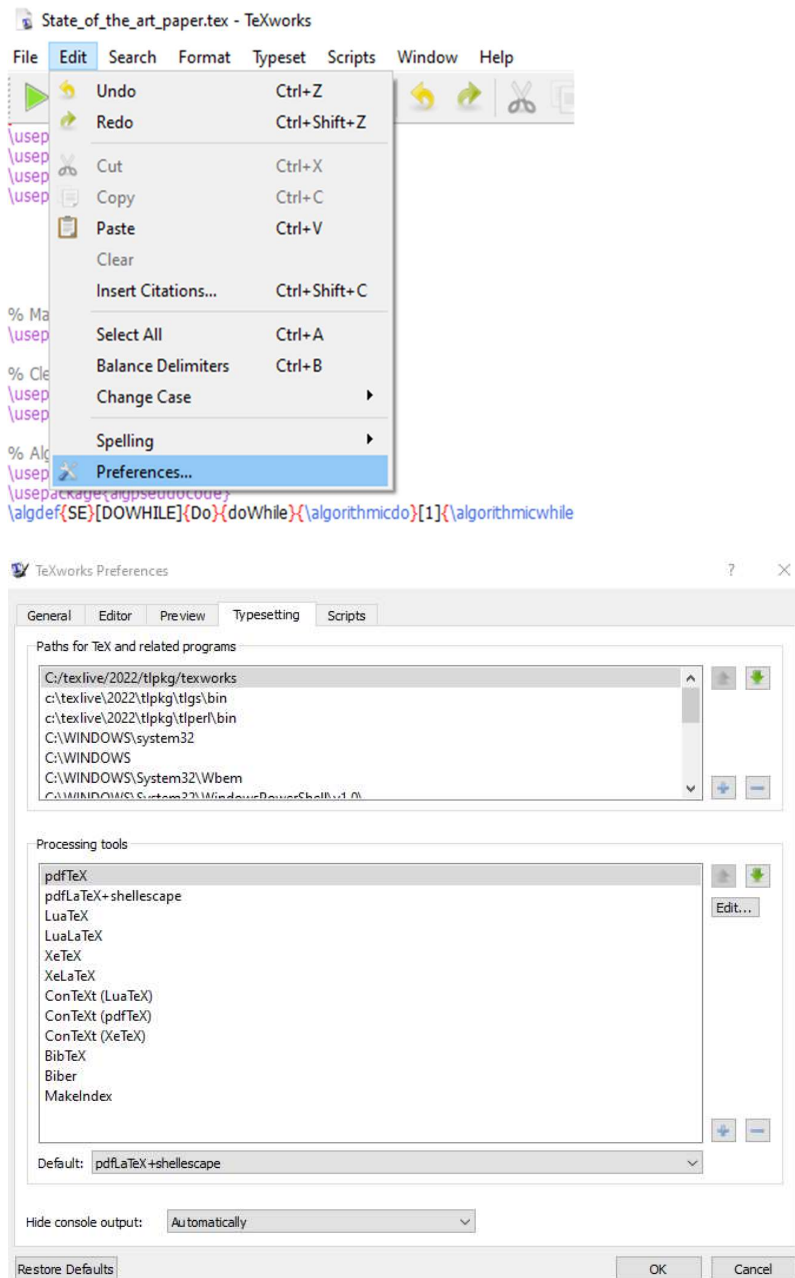


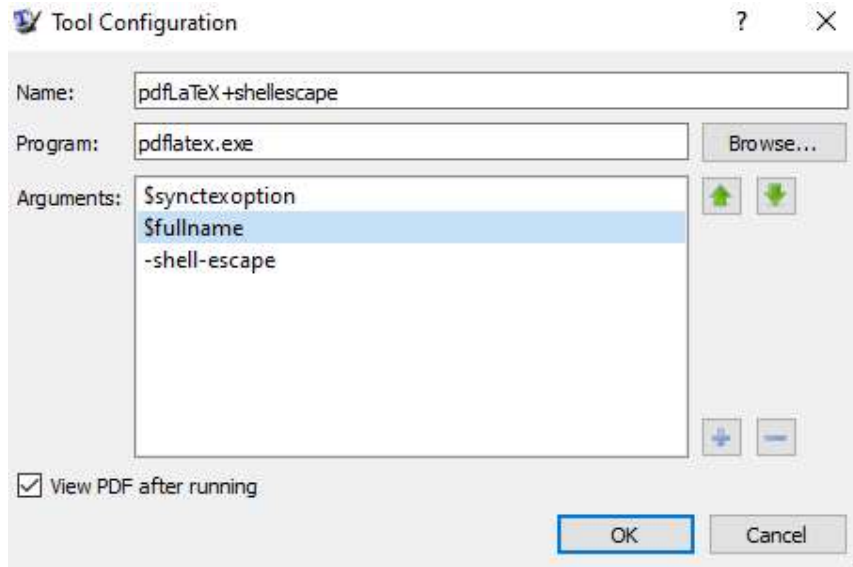
Using vector graphics in LaTeX

Install and setup:

1. Download and install Inkscape (<https://inkscape.org/release/inkscape-1.2.2/windows/64-bit/msi/?redirected=1>)
2. Add Inkscape path to environment variables. [Here is a guid how to add environment variables.](#)
3. Go to TeXworks 'Preferences' -> 'Typesetting'



4. Add Inkscape path.
5. Create pdfLaTeX+shellescape
 - a. Click 'pdfLaTeX' under Processing tools, then press 'Edit...'
 - b. Change the name to pdfLaTeX+shellescape
 - c. Add '-shell-escape' under arguments



6. Restart your computer as mentioned in "add environment path guid".

UiT Template:

The above guid should help you use svg file in LaTeX, but you will receive an error if you are using the UiT template. Here is how to fix it:

1. Open the 'uit-thesis.cls' used for your tex file.

2. Search(ctrl+f) for 'ult@disallow' this will lead you to a section with disallowed scripts.

```
% Used to prevent package from being loaded.
% Macro is used as \ult@disallowpackage{packagename} or \ult@disallowpackage[Reason for disallowing package]{packagename}.
\newcommand\ult@disallowpackage[2][\@empty]{%
  \expandafter\edef\csname ult@disallowpackage@#2\endcsname{#1}%
  \AtBeginDocument{%
    \ifpackageloaded{#2}{%
      \ult@critical@error{Package #2 has been loaded even if it was disallowed}%
    }%
  }%
}

% Disallowed packages
\ult@disallowpackage[Package notocccite should not be loaded. The uit-thesis template already integrates the changes from notocccite.]{notocccite}
\ult@disallowpackage[Package subfigure is deprecated. The subcaption package (already included by the document class) is used instead.]{subfigure}
\ult@disallowpackage[Package subfig is incompatible with the uit-thesis document class. The subcaption package (already included) is used instead.]{subfig}
\ult@disallowpackage[Package easyeqn is incompatible with hyperref.]{easyeqn}
\ult@disallowpackage[Package mathenv is incompatible with hyperref.]{mathenv}
\ult@disallowpackage[Package pstcol is not allowed. The uit-thesis document class uses the xcolor package instead.]{pstcol}
\ult@disallowpackage[The uit-thesis document class already provides beautiful chapter headings. Why would you want to change them?]{fncychap}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{tocbasic}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{tocstyle}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{typearea}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{titlepage}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrpage}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrpage2}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrdate}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrtime}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scraddr}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrextend}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrbase}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrfile}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrwfile}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrhack}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlayer}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlayer-scrpage}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlayer-notecolumn}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrjura}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlogo}
\ult@disallowpackage[The uit-thesis document class uses the float package, which isn't compatible with floatrow.]{floatrow}
```

3. Comment out the lines involving 'scrbase', 'scrfile' and 'scrlogo'

```
% Used to prevent package from being loaded.
% Macro is used as \ult@disallowpackage{packagename} or \ult@disallowpackage[Reason for disallowing package]{packagename}.
\newcommand\ult@disallowpackage[2][\@empty]{%
  \expandafter\edef\csname ult@disallowpackage@#2\endcsname{#1}%
  \AtBeginDocument{%
    \ifpackageloaded{#2}{%
      \ult@critical@error{Package #2 has been loaded even if it was disallowed}%
    }%
  }%
}

% Disallowed packages
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\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrtime}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scraddr}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrextend}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrbase}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrfile}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrwfile}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrhack}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlayer}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlayer-scrpage}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlayer-notecolumn}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrjura}
\ult@disallowpackage[The uit-thesis document class is not compatible with KOMA-Script.]{scrlogo}
\ult@disallowpackage[The uit-thesis document class uses the float package, which isn't compatible with floatrow.]{floatrow}
```

4. Save and exit the file, and everything should work now 😊