Latexmk Based Engines
For
T_EXShop 4.69+

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1 Introduction

TeXShop's latexmk based engines are written in a 'language' called a 'shell script' and excuted by a low level command line program called a shell, in particular they were written to be excuted by bash (the **B**ourne **A**gain **SH**ell).

With the release of macOS 10.15, Catalina, the default 'shell' for most users was changed by Apple from bash to zsh because of restrictive licensing on updated versions of bash. Changing shell scripts from bash to zsh scripting is not difficult but there are several differences in the way certain commands are executed that requires a bit of careful translation.

The enclosed latexmk based engines have all been updated to use zsh and are meant for use with TeXShop 4.69 and later.

In addition, TeXShop's latexmk based engines have been using an internal copy of John Collins latexmk Perl script. Historically that was done because older TeX Distributions didn't contain latexmk; that has changed in recent yesrs. These updated engines now default to the version of latexmk in modern TeX Distributions. They will default to an internal version if the external version isn't found. However, the internal version of latexmk will only be updated on a longer schedule and only when there are other updates for TeXShop.

2 Installation

All files and folders are to be installed in sub-folders of ~/Library/TeXShop. You can open that folder using TeXShop's TeXShop → Open ~/Library/TeXShop Menu command

There are three folders inside this folder. The ForTeXShop/bin/tslatexmk folder contains five files that go in the bin/tslatexmk folder replacing the files already there (one of the files is the latest version of the latexmk Perl script written by John Collins). The ForTeXShop/Engines folder has two engines that are activated by default replacing those already in Engines. Finally, the ForTeXShop/Engines/Inactive folder contains two folders to replace the Latexmk and GhostscriptTransparencyEngines folders in Engines/Inactive; these contain the rest of the engines I supply. If you use any of the other Transparency or latexmk based engines replace the old ones with the newer versions of the engines.