

# 1 Quick Start – SVMult

## 1.1 Initializing the Class

To format a *document for a contributed book* enter

```
\documentclass{svmult}
```

at the beginning of your root file. This will set the text area to a `\textwidth` of 117 mm or 27-3/4 pi pi and a `\textheight` of 191 mm or 45-1/6 pi plus a `\headsep` of 12 pt (space between the running head and text).

*N.B.* Trim size (physical paper size) is 155 × 235 mm or 6 1/8 × 9 1/4 in.

For a description of all possible class options provided by SVMULT see the “SVMULT Class Options” section in the enclosed *Reference Guide*.

*Tip:*  
Use the pre-set  
templates

## 1.2 Required Packages

The following selection has proved to be essential in preparing a manuscript in the Springer Nature layout.

Invoke the required packages with the command

```
\usepackage{}
```

<code>newtxtext.sty</code> and <code>newtxmath.sty</code>	Supports roman text font provided by a Times clone, sans serif based on a Helvetica clone, typewriter faces, plus math symbol fonts whose math italic letters are from a Times Italic clone
<code>makeidx.sty</code>	provides and interprets the command <code>\printindex</code> which “prints” the index file *.ind (compiled by an index processor) on a chosen page
<code>graphicx.sty</code>	is a powerful tool for including, rotating, scaling and sizing graphics files (preferably *.eps files)
<code>multicol.sty</code>	balances out the columns on the last page of, for example, your subject index
<code>footmisc.sty</code>	together with style option <code>[bottom]</code> places all footnotes at the bottom of the page

For a description of other useful packages and SVMULT class options, special commands and environments tested with the SVMULT document class see the *Reference Guide*.

For a detailed description of how to fine-tune your text, mathematics, and references, of how to process your illustrations, and of how to set up your tables, see the enclosed *Author Instructions*.

### 1.3 Important Notes for the Production Process

Authors can support and speed up the production process by following the below described instructions.

#### General instructions

- Please make sure that any package used in the LaTeX file is compatible with MikTeX2.4/TeXlive2019 or higher.
- Along with the PDF we are also publishing your LaTeX works in other digital/online versions (in html and ePub). Point to highlight: All LaTeX flexible works to achieve a specific PDF output will not result in the same output in other online/digital versions due to limitations, e.g. dsfonts (double stroke fonts package), eucal (Euler calligraphic font package) — the result of these packages in PDF will not show the same result in html/ePub. It is recommended to use `\mathbb{...}` and to use `\mathcal{...}`, please do not include the package eucal.
- Please avoid multiple levels of linked sub-files in chapters: Too many linked files within chapter/book level, too many tree directories within the package will lead to additional work and challenges during the production process.
- The introduction of multiple math related packages/commands in the same manuscript (e.g. `\bm`, `dsfonts`, etc. and `\mathrm`, `\mathsf`, `\mathtt`, `\mathfrak`, `\mathcal`, `\mathbb`, `\mathbbm`, `\mathds` etc.) or the definition of different outputs for the same math command in different chapters (e.g. `\mathcal{X}` as calligraphy in chapter one and `\mathcal{X}` as fracture or script in chapter two) will lead to difficulties during proof generation. Instead please use default commands (as e.g. `\mathcal` and `\mathbb`) and use these commands consistently throughout all chapters.
- Usage of nested level macros, improper grouping, introduce \$ within equations (e.g. `$ X + Y = 0 = \hbox{Revenge $X$} $`) will slow down the proofing works and will take additional efforts to produce a quality result and in some cases may lead to author queries and additional corrections.
- Any color text/shades/backgrounds which are handled in RGB mode will also need appropriate CMYK values in the manuscript. Please include them both one in active and other in comment is also fine.

E.g.

```
\definecolor{ultramarine}{RGB}{1,1,1}

%%\definecolor{ultramarine}{cmyk}{0,0,0,1}

\textcolor{ultramarine}{Colored text}
```

This eliminates incompatible color issues when we switch the color mode during print/online proof generation. Please note that owing to technical restrictions colored texts cannot be included in html and ePub. The colored text will have to be included as images for these online formats.

## Package

### Algorithm

To typeset algorithms or pseudocode in LaTeX you can use one of the following options:

- Choose ONE of the (algpseudocode OR algcompatible OR algorithmic) packages to typeset algorithm bodies, and the algorithm package for captioning the algorithm.
- The algorithm2e package.

**Important: Please choose only one of the above groups of packages, and use only the commands and syntax provided by the package you choose.** These packages cannot be loaded simultaneously; otherwise you will get lots of errors.

### amsmath

We recommend not to use “amsmath” package at preamble separately when you use “newtxmath”. It is inbuilt within the package “newtxmath”.