The litetable Package — Colorful Timetable*

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1 Introduction

The litetable package provides a colorful design of timetable, developed by expl3 based on tikz. It supports various compilation methods, such as pdfLaTeX, XeLaTeX, ApLaTeX, LuaLaTeX, etc. Click to jump to the manual's [Chinese Version] [Cantonese Version].

2 Usage

To load this package, write the line

```
\usepackage{litetable}
```

`litetable` (*env.*) The `litetable` environment can create a blank timetable frame, and it should be executed after commands `\timelist` and `\weeklist`.

```
\begin{litetable} [⟨keys⟩] {⟨title⟩} [⟨keys⟩] ... \end{litetable}
```

The mandatory argument can set the title of the timetable, and the optional argument accepts the following keys

color = ⟨string⟩ can set the background color (Default: gray), this key's name could be omitted.

sem = ⟨string⟩ can set the semester information at the northeast corner of the page.

`\weeklist` `\weeklist [⟨keys⟩] {⟨list⟩} [⟨keys⟩]`

The mandatory argument accepts an array to set a list of working days and the width of each column at the top of the timetable. The optional argument accepts the following keys

format = ⟨format commands⟩ can set the font for the list of working days (Default: `\bfseries`).

sep = ⟨dim⟩ can set the separator of the list of working days (Default is empty).

```
\weeklist [ format = \bfseries \scshape, sep = \textbar ]
  { Mon -> 1, Tue -> 1, Wed -> 1, Thu -> 1, Fri -> 1 }
```

*https://github.com/myhsia/litetable, https://ctan.org/pkg/litetable

†Lijun Guo developed an interface to read ⟨*left*⟩ -> ⟨*right*⟩ data structures, and make compatibility for lower versions of TeX Live.

`\timelist` `\timelist [⟨keys⟩] {⟨list⟩} [⟨keys⟩]`

The mandatory argument accepts an array to set the time list on the left side of the timetable. The optional argument accepts the following keys

numformat = ⟨format commands⟩ can set the font for the sequence number of the time list (Default: `\ttfamily \bfseries`).

timefont = ⟨format commands⟩ can set the font for the time of the time list. (Default: `\ttfamily`).

hidetime = ⟨true|**false**⟩ hide the time in the time list and only retain the sequence number. The initial value is `false`.

```
\timelist [ numformat = \bfseries, timeformat = \ttfamily ]
  { 08:30 -> 10:00, 10:30 -> 12:00, 13:00 -> 14:30, 15:00 -> 16:30 }
```

`\course` `\course [⟨keys⟩] {⟨start⟩} [⟨keys⟩] {⟨end⟩} [⟨keys⟩]`

It's used to add course boxes on the current workday, and needs to be executed within the `litetable` environment. The two mandatory arguments can set the start and ends of the course respectively, the optional argument accepts the following keys

color = ⟨string⟩ can set the color of the course box (Default: `teal`), this key's name could be omitted.

subject = ⟨string⟩ can set the name of the course.

location = ⟨string⟩ can set the location of the course.

lecture = ⟨string⟩ can set the lecture of the course.

comment = ⟨string⟩ can add footnote to the course.

TEXhackers note:

- If ⟨*start*⟩ = ⟨*end*⟩ (the height of the course box is 1 unit), then **location** and **lecture** will be outputted in the same line and **comment** will be hidden.
- The template will correct automatically if ⟨*start*⟩ and ⟨*end*⟩ were misplaced.
- If neither **location** nor **lecture** is assigned value, then **subject** will be outputted in the vertical center of the course box.
- Course boxes that exceed the range of the timetable won't display and it will return a warning. The input example refers to Appendix A.

`\newday` `\newday [⟨integral value⟩]`

It can move the next course boxes right ⟨*integral value*⟩ working days. The default value of the optional argument is 1.

`\more` `\more {⟨comment⟩}`

It can add a comment at the southwest corner of the timetable.

A Working Example

```
\documentclass[svgnames]{article}

\usepackage{litetable, twemojis}
\usepackage[mono = false]{libertine}
\usepackage[T1]{fontenc}

\begin{document}

\weeklist [ format = \bfseries \scshape, sep = \textbar ]
  {
    \texttwemoji{1f312} Mon -> 1, \texttwemoji{1f525} Tue -> 1,
    \texttwemoji{1f30a} Wed -> 1, \texttwemoji{1f332} Thu -> 1,
    \texttwemoji{1fa99} Fri -> 1
  }
\timelist [ numformat = \ttfamily \bfseries, timeformat = \ttfamily ]
  {
    08:05 -> 08:50, 08:55 -> 09:40, 10:00 -> 10:45, 10:50 -> 11:35,
    11:40 -> 12:25, 13:30 -> 14:15, 14:20 -> 15:05, 15:15 -> 16:00,
    16:05 -> 16:50, 18:30 -> 19:15, 19:20 -> 20:05, 20:10 -> 20:55
  }
\begin{litetable} [ MidnightBlue, sem = SEM 7 ] { Course Schedule }
  \course [ subject = interface3, comment = \TeX{} Live 2025,
            lecture = The \LaTeX{} Project, DarkBlue ] {4} {5}
  \newday
  \course [ subject = expl3, lecture = The \LaTeX{} Project ] {8} {8}
  \newday
  \course [ subject = Keep on \TeX ing, lecture = Donald E. Knuth,
            location = Stanford University, Purple ] {10} {11}
  \newday
  \course [ subject = Ti\textit k\/Z, lecture = \textsc{pgf},
            Crimson, comment = Version 3.1.10 ] {3} {5}
  \more { Programme Duration: 09 / 2021 -- 07 / 2025 }
\end{litetable}

\end{document}
```

Course Schedule

SEM 7

	Mon	Tue	Wed	Thu	Fri
1 08:05 08:50					
2 08:55 09:40					
3 10:00 10:45				TikZ PGF Version 3.1.10	
4 10:50 11:35	interface3 The LaTeX Project TeX Live 2025				
5 11:40 12:25					
6 13:30 14:15					
7 14:20 15:05					
8 15:15 16:00		expl3 The LaTeX Project			
9 16:05 16:50					
10 18:30 19:15			Keep on TeXing Stanford University Donald E. Knuth		
11 19:20 20:05					
12 20:10 20:55					

Programme Duration: 09 / 2021 – 07 / 2025

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The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.