```
ALEILIAIR WARE INTARIK MARIE WARE INTO A LEINAN AND A LEI
                                                                                           magicwatermark 宏包<sup>1</sup>
郭李军 < ljguo 1020@gmai<sup>l</sup>
V1.2
                                                                  content = \{P-\land thepage\},
                                                                   style = {shift = {(.5\textwidth, .5\textheight + \headheight +
                                                      \headsep)}, scale = 3, text = cyan, font = \ttfamily}
                                                       setup = {
                                                             pages = {even},
                                                             style = {scale = 5, text = pink},
Magic Wate
                                                             content = {Watermark},
                                                             is append
                                                      },
                                                       setup = {
                                                             pages = \{1\},
Matermail
                                                             style = {text width = 1.7\paperwidth, rotate = 45, align = left, font =
                                                      \Large, opacity = .1},
                                                                                                                                                                                                     Nagic waterinary Watermark Watermark Watermark
                                                             content = {
                                                                         \foreach \x in {0, ..., 500} {Magic Watermark }
                                                             },
                                                             is append
                                                      }
                                                                                                                                                                                           Magic Waternark Magic Waternark
                                                                                                                                                  CINIGIT WATERNAR MARKET WATERNAR
                                                                                                                                  261 Jakornark Magic Waternark Magic
                                                                                                                                                                    ABIL WALLING IN Makic Watermank Makic
                                           1 https://github.com/ljguo1020/magicwatermark
```

目次

1	介绍		2
2	使用		2
	2.1	pages	2
	2.2	content	3
	2.3	style	3
	2.4	is append	3
3	使用		3

1 介绍

magicwatermark 是一个全新的水印宏包, 在 2022 年 6 月 17 日发布了第一版, 本次更新并不是基于第一版, 而是进行了重构.

magicwatermark 基于 tikz 和 expl3, 可以灵活的设置背景或水印.

2 使用

magicwatermark 的使用,相比于其它同类功能的包来说,可以说是易用性最高的,它只提供了一个命令\MagicWatermark,命令参数由多个 setup 规则组成.

```
\MagicWatermark{
    setup = {},
    setup = {},
    ...
}
```

setup 内部接受四个键值选项,用于配置水印的表现形式.

2.1 pages

pages 接受一个逗号分割列表,用于配置水印作用范围,例如 pages = {2, 4, 5, 8-10},表示选中页码为第 2, 4, 5, 8, 9, 10 这些页面.

pages 共接受 4 种配置规则,

- *, 表示所有页面;
- odd 和 oven, 表示奇偶页;
- 范围, 形如 3-5, 12-ii;
- 表达式, 形如 2X+1, 2X²+X+1, 但是变量必须为 X.

这里假定页面总页数为 24 页,

```
      pages 配置规则

      pages = {*}
      => 1, 2, 3, ..., 24

      pages = {odd}
      => 1, 3, 5, ..., 23

      pages = {1, 3, 5-10}
      => 1, 3, 5, 6, 7, ..., 10

      pages = {1-5, 8, 20-ii}
      => 1, 2, ..., 5, 8, 20, 21, ..., 23

      pages = {3X + 1}
      => 1, 4, 7, 10, ..., 22
```

2.2 content

content 用来设置水印的内容,它被放在了tikz的node中,为此,想要灵活的设置它,您需要对node有一些了解.

2.3 style

style 用于设置容纳水印内容的 node 的样式,默认为 inner sep = 0pt, outer sep = 0pt, opacity = .5, align = left.

2.4 is append

is append 用于设置是否覆盖当前页已有的水印,可选值为 true 和 false.

3 使用案例

```
为所有页面右上角添加页码

\MagicWatermark{
setup = {
    pages = {*},
    content = {P-\thepage},
```

```
style = {shift = {(.5\textwidth, .5\textheight + \headheight + \headsep)},
scale = 3, text = cyan, font = \ttfamily}
}
```

为偶数页页面中心添加文字 Watermark

```
\MagicWatermark{
  setup = {
    pages = {even},
    style = {scale = 5, text = pink},
    content = {Watermark},
    is append
  }
}
```

为第二页到最后一页设置铺满整个页面的文字

```
MagicWatermark{
  setup = {
    pages = {2-i},
    style = {text width = 1.7\paperwidth, rotate = 45, align = left, font =
    \Large, opacity = .1},
    content = {
        \foreach \x in {0, ..., 500} {Magic Watermark }
    },
    is append
}
```