## magicwatermark 宏包<sup>1</sup>

郭李军 iguo1020@gmail.com> V1.2

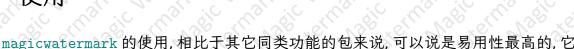
```
\MagicWatermark{
    setup = {
        pages = \{*\},
        content = \{P-\land thepage\},\
        style = {shift = {(.5\textwidth, .5\textheight + \headheight +
   \headsep)}, scale = 3, text = cyan, font = \ttfamily}
    setup = {
      pages = {even},
      style = {scale = 5, text = pink},
      content = {Watermark},
      is append
    },
    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
    }
}
```

<sup>1</sup>https://github.com/ljguo1020/magicwatermark

Jagic Kernal	36)	Sierly of the land
Mosty Vac		To hate had a terman
1sic it h	ðĒ	文 Not Land in Case in
Silving Silving	1	
31 : C .C	2	
Nagi stering	13	使用 2.1 pages
I No 4		Y / CONTONT
Sol Thousand		2.3 style
Maje 12 Mis	N	2.4 is append
reingly sign	3	使用案例
Wall Tel	1	Live Miller Miller Light Light Light How Hill Hill Hill
1.0.	.\_	TO THE THE THE TO SEE T

Magic Maie Nagic Waterin ic Matermark Matic M ic Watermark AND WATE magicwatermark 是一个全新的水印宏包,在 2022 年 6 月 17 日发布了第一 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.



Maje Watering alwaik Magic naik Magic 12 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.

```
Magic Materia
                                                    Maik Magic
                                                    SIX Magic Ma
Matermant
       \MagicWatermark{
                                                    Magic Mater
        setup = {},
ate/maix Ma
       setup = {},
inaix Magic
       }
```

# Nagic Nater 2.1

art Magic Mais L. I. Malic Watermark Makic V ↑逗号分割列 →中页码为第 2, 4, 5, 8, 9, pages 共接受 4 种配置规则, Waternark Magic Wa 4, e Malic Wale Jakarmark Magic Wat Magic Watermark Magic Naternait Jatarman Magic Wa enzeic Watermark 表示选中页码为第 2, 4, 5, 8, 9, 10 这些页面. Matic Watermaix

Starmark Magil

- \*,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, 2X<sup>2</sup>+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 = Opt, outer sep = Opt, 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},
}
```

```
armaik Magic Waterine
            Thought Magic
                 zėje Materine
                     ElWait Magir
                          Nagic Watering
                               Elwaik Magir
                                    Nagic Materin
                                         Elwark Mag
                                              Nagic Watern
                                                   Tellush Map
                                                        Majer Majerr
                                                             'atermark Mars
                                                                   Magic Water
                                                                       atelinal k Midto
alt Magic Mis
                                                                                       FELMON NOG
                 style = {shift = {(.5\textwidth, .5\textheight + \headheight + \headsep)},
Magic Water
               scale = 3, text = cyan, font = \ttfamily}
                                                                                       Mark Magic
            }
```

#### 为偶数页页面中心添加文字 Watermark

```
igic Majerina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KH Magic Na
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Natic Waterin
                                                                                                                                                                               \MagicWatermark{
reimait Nas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               o Waterman
                                                                                                                                                                                                         setup = {
                                                                                                                                                                                                                                pages = {even},
Mark Magic
                                                                                                                                                                          Natermant
                                                                                                                                                                                                                                  style = {scale = 5, text = pink},
Magic Nay
                           Cat the the trade of the trade 
                                                                                                      E. Makerhak Makic Waterhak Makic Wat
The state was to the state of t
Maternal Mat
Nagic Waterie
```

