tcol-
orbox

STOP

СТОП

TikZ drawing

Cloud

TikZ drawing

```
\path[fill=yellow,draw=yellow!75!red]
(0,0) circle (1cm);
\fill[red] (45:5mm) circle (1mm);
\fill[red] (135:5mm) circle (1mm);
\draw[line width=1mm,red]
(215:5mm) arc (215:325:5mm);
```

textformat

Typeset text as bold, italic, or both.

See *textcolor*^{on p 4}. → rendered as non-math superscript reference

\textbf{text}
\textit{text}
\bfseries
\mdseries
\itshape
\upshape

Text formatting – commands   c.1

```
\raggedright Normal text,
    \textbf{bold text},
    \textit{italic text},
    \textbf{\textit{bold italic
    text}}. Back to normal text.
    %\textsc{Small Caps}
```

Normal text, **bold text**, *italic text*, ***bold italic text***. Back to normal text.

Text formatting – switches   c.2

```
\raggedright Normal text,
    \bfseries bold text, \itshape
    bold italic text, \upshape
    back to upright bold,
    \mdseries \itshape now some
    italics, \upshape and back to
    normal text.
```

Normal text, **bold text,** ***bold italic text,*** **back to upright bold,** *now some italics,* and back to normal text.

The command

$$\textit{italic text} \tag{1}$$

switches to italics locally:

$$\textit[1]{{\itshape#1}} \tag{2}$$

fontfamily

Set text in a paricular font family: serif (roman), sans-serif, mono-spaced.

\textsf{text}
\texttt{text}
\rmfamily
\sffamily
\ttfamily

Font families – commands c.3

```
\raggedright Serif text (roman)
    abfgy 123, \textsf{sans text
    abfgy 123},
    \texttt{mono-spaced text abfgy
    123}, back to normal text.
```

Serif text (roman) abfgy 123, sans text abfgy 123, `mono-spaced text abfgy 123`, back to normal text.

Font families – switches c.4

```
\raggedright Serif text (roman)
    abfgy 123, \sffamily sans text
    abfgy 123, \ttfamily
    mono-spaced text abfgy 123,
    \rmfamily back to normal text.
```

Serif text (roman) abfgy 123, sans text abfgy 123, `mono-spaced text abfgy 123`, back to normal text.

Boxes – mbox c.5

```
Some text \mbox{a a a a a a a} b b b b b
    b b b b b b b b
```

Some text a a a a a a a b b b b b b b b b b b b

Boxes – fbox c.6

```
\raggedright Some \fbox{text} in a frame.
```

Some text in a frame.

colorbox

Put text on a coloured background.

- -

\colorbox{text-background-colour}{text}

Boxes – colorbox	**c.7**
| ```
\raggedright Some coloured
    \colorbox{yellow!50}{
    \textcolor{red}{text} }.
``` | Some coloured text . |

See code example **c.8**[on p 4] for the framed version.

fcolorbox

Draw a coloured frame around text on a coloured background.

- -

\fcolorbox{frame-colour}{text-background-colour}{text}

Boxes – fcolorbox	**c.8**
| ```
\raggedright Some framed \&
    coloured
    \fcolorbox{blue}{yellow!50}{text}.
``` | Some framed & coloured text . |

textcolor

Typeset coloured text.

- -

\textcolor{text-colour}{text}

Text – textcolor	**c.9**
| ```
\raggedright Some coloured
    \textcolor{red}{red text} and
    some \textcolor{blue}{blue
    text}.
``` | Some coloured red text and some blue text. |

adjusting boxes

Change the rule width, and the separator width between rule and text.

- -

\setlength{**\fboxrule**}{length}
\setlength{**\fboxsep**}{length}

Boxes – fboxrule   c.10

```
\setlength{\fboxrule}{3pt}
\raggedright Some framed \&
    coloured
    \fcolorbox{blue}{yellow!50}{%
\textcolor{red}{text}}.
```

Some framed & coloured `text`.

Boxes – fboxsep   c.11

```
\setlength{\fboxrule}{3pt}
\setlength{\fboxsep}{0pt}
\raggedright Some framed \&
    coloured
    \fcolorbox{blue}{yellow!50}{%
\textcolor{red}{text}}.
```

Some framed & coloured `text`.

Lists – enumerate   c.12

```
\begin{enumerate} \item xxx \item xxx
    \begin{enumerate} \item yyy \item yyy
    \begin{enumerate} \item zzz \item zzz
    \item zzz\end{enumerate} \item
    yyy\end{enumerate} \item
    xxx\end{enumerate}
```

1. xxx
2. xxx
    (a) yyy
    (b) yyy
        i. zzz
        ii. zzz
        iii. zzz
    (c) yyy
3. xxx

Lists – itemize — c.13

```latex
\begin{itemize} \item xxx \item xxx
    \begin{itemize} \item yyy \item yyy
    \begin{itemize} \item zzz \item zzz
    \item zzz\end{itemize} \item
    yyy\end{itemize} \item
    xxx\end{itemize}
```

- xxx
- xxx
  - yyy
  - yyy
    * zzz
    * zzz
    * zzz
  - yyy
- xxx

Lists – description — c.14

```latex
\begin{description} \item[doe] `a deer, a
    female deer' \begin{description}
    \item[buck] the male \item[fawn] a
    young deer \end{description}
    \item[ray] `a beam of golden sun'
    \end{description}
```

doe 'a deer, a female deer'

   buck the male

   fawn a young deer

ray 'a beam of golden sun'

Section levels – section — c.15

```latex
\section{X} xxx \section*{Y} yyy
    \section{Z} zzz
```

1 X

xxx

Y

yyy

2 Z

zzz

3   xxx

Environments – abstract	c.16

`\begin{abstract}`
`... x  x  x    x x  x`
`\end{abstract}`
	Abstract
	
	... x x
	x x x x

Codeline (2)$^{\text{on p 2}}$ is an example of locally-grouped formatting.