

Report Template

with Lua^AT_EX and BibLatex

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Some preamble.

1 Use chapter command as super section

1.1 Use section command as usual

1.2 Text emphasis

bold text *italicied text* underlined text *emphasising text*

1.3 Itemize example

- Item1 : Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.
- Item2
- Item3
- carriaged return item :

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1.4 Section

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1.4.1 Subsection

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Subsubsection

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1.5 Image inclusions

- 1 is an example of a full width page inclusion of a picture (aspect ratio is kept) :
- 2 is an example of a scaled down picture :
- 3 is an example of a rotated picture :

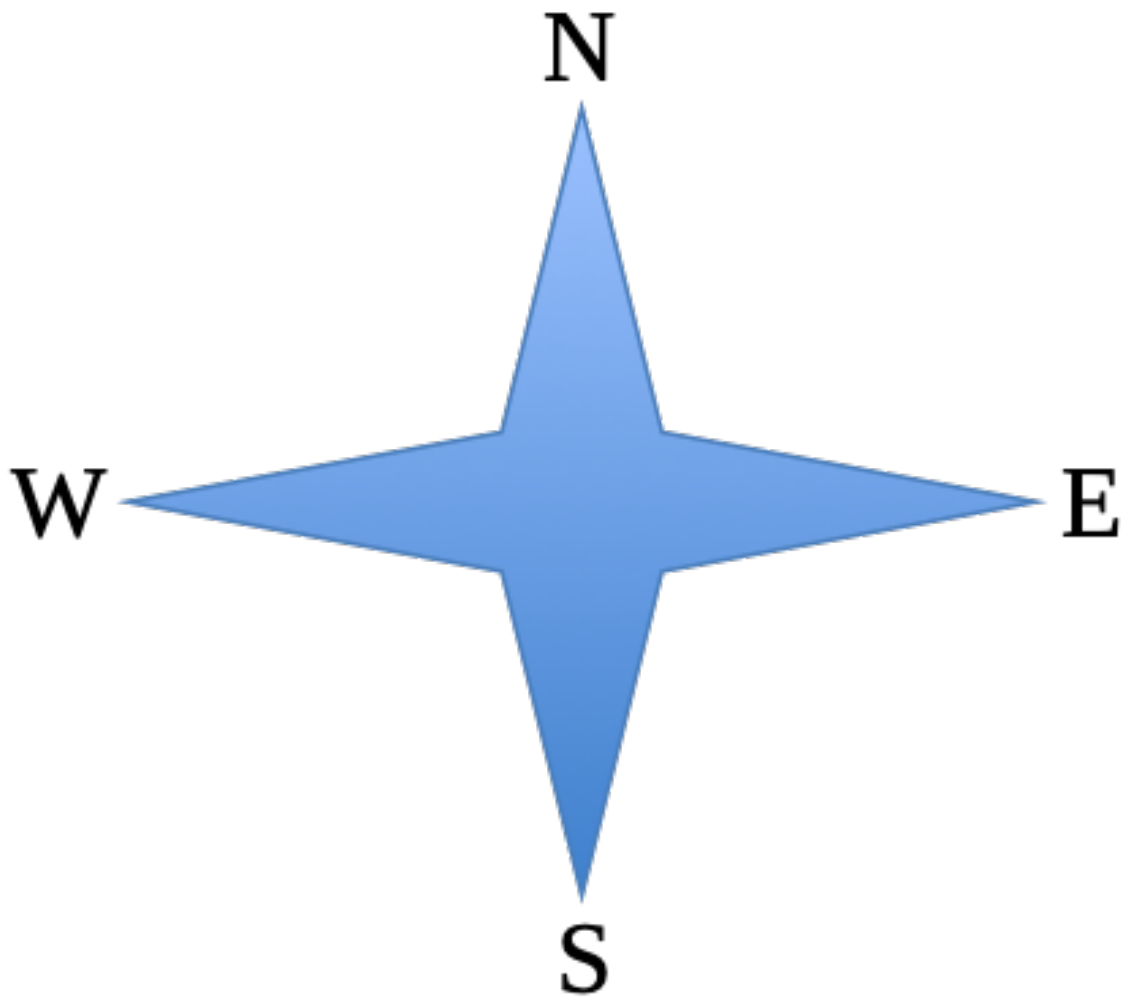


Figure 1 : The caption of the picture.

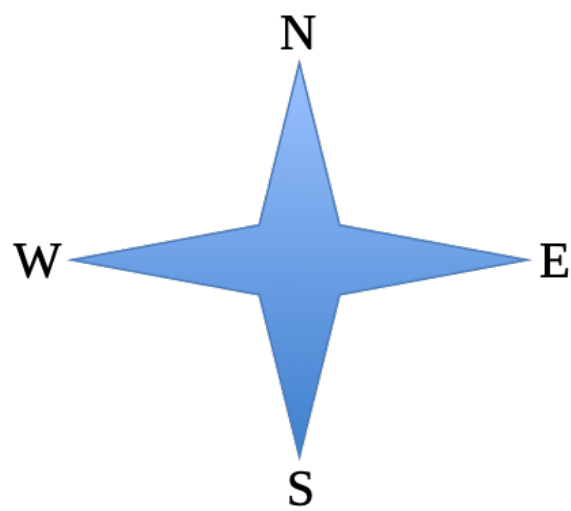


Figure 2 : The caption of the picture.

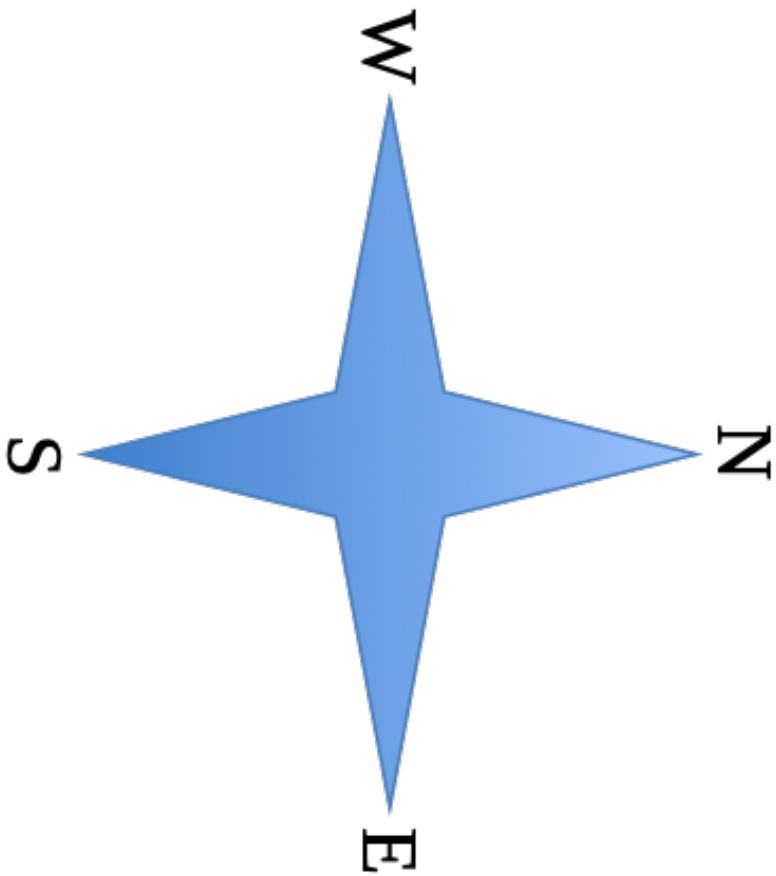


Figure 3 : The rotated caption of the picture.

1.6 Citations

According to [1]... This is a footnote citation ¹.

1.7 Some fancy maths

$$MSE = E(Y - \hat{Y})^2 = \underbrace{\left[F(X) - \hat{F}(X) \right]^2}_{\text{reductible}} + \underbrace{\text{Var}(\varepsilon)}_{\text{irréductible}}$$

$$d = \begin{cases} 1 & \text{si } A > \alpha \\ 0 & \text{si } A \leq \alpha \end{cases}$$

$$d(x_1, x_2) = \sqrt{\sum_{j=1}^n \frac{1}{f_n} (f_{1j} - f_{2j})^2}$$

Théorème 1 (Morgan's Law).

$$\overline{P \wedge Q} \Leftrightarrow \bar{P} \vee \bar{Q}$$

$$\overline{P \vee Q} \Leftrightarrow \bar{P} \wedge \bar{Q}$$

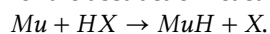
1.8 Tables

From the CTABLE man (link [here](#)) :

Table 1 : The Skewing Angles (β) for
 $Mu(H) + X_2$ and $Mu(H) + HX^a$

	$H(Mu) + F_2$	$H(Mu) + Cl_2$
$\beta(H)$	$80.9^\circ{}^b$	83.2°
$\beta(Mu)$	86.7°	87.7°

^a for the abstraction reaction,



^b 1 degree = $\pi/180$ radians.

^c this is a particularly long note, showing that footnotes are set in raggedright mode as we don't like hyphenation in table footnotes.

1. Daniel D. Lincolll. "Semigroups of Recurrences". In : *High Speed Computer and Algorithm Organization*. Academic Press, 1977.

ANNEXES

Références

- [1] Donald E. Knuth. “Fundamental Algorithms”. In : Second. T. 1. The Art of Computer Programming. This is a full INBOOK entry. Reading, Massachusetts : Addison-Wesley, oct. 1973. Chap. 1.2, p. 10-119.
- [2] Daniel D. Lincolll. “Semigroups of Recurrences”. In : *High Speed Computer and Algorithm Organization*. Academic Press, 1977.

Table des figures

1	The caption of the picture.	3
2	The caption of the picture.	3
3	The rotated caption of the picture.	4

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