

Information om LaTeX-mallen

This is a floating figure...

Figur 1: Hello

Scenario	δ	Runtime
Paris	0.1s	13.65ms
Paris	0.2s	0.01ms
New York	0.1s	92.50ms
Singapore	0.1s	33.33ms
Singapore	0.2s	23.01ms

Tabell 1: Latex default table

1 Ursprungliga instruktioner till mallen

Nedan följer lite instruktioner från skaparen av LaTeX-mallen. Vi har försökt ta bort det som inte är relevant i den här kursen, men något litet kan ha slunkit med. Det går bra att fråga på laborationerna eller via issues om något är oklart!

1.1 Footnotes

Place footnotes at the bottom of the page in a 9-point font. Refer to them with superscript numbers.¹ Separate them from the text by a short line.² Avoid footnotes as much as possible; they interrupt the flow of the text.

1.2 Illustrations

Place all illustrations (figures, drawings, tables, and photographs) throughout the paper at the places where they are first discussed, rather than at the end of the paper.

They should be floated to the top (preferred) or bottom of the page, unless they are an integral part of your narrative flow. When placed at the bottom or top of a page, illustrations may run across both columns, but not when they appear inline.

1.3 Tables

Tables are considered illustrations containing data. Therefore, they should also appear floated to the top (preferably) or bottom of the page, and with the captions below them.

If you are using \LaTeX , you should use the `booktabs` package, because it produces better tables than the standard ones. Compare Tables 1 and 2. The latter is clearly more readable for three reasons:

¹This is how your footnotes should appear.

²Note the line separating these footnotes from the text.

Scenario	δ (s)	Runtime (ms)
Paris	0.1	13.65
	0.2	0.01
New York	0.1	92.50
Singapore	0.1	33.33
	0.2	23.01

Tabell 2: Booktabs table

1. The styling is better thanks to using the `booktabs` rulers instead of the default ones.
2. Numeric columns are right-aligned, making it easier to compare the numbers. Make sure to also right-align the corresponding headers, and to use the same precision for all numbers.
3. We avoid unnecessary repetition, both between lines (no need to repeat the scenario name in this case) as well as in the content (units can be shown in the column header).

1.4 Formulas

IJCAI's two-column format makes it difficult to typeset long formulas. A usual temptation is to reduce the size of the formula by using the `small` or `tiny` sizes. This doesn't work correctly with the current \LaTeX versions, breaking the line spacing of the preceding paragraphs and title, as well as the equation number sizes. The following equation demonstrates the effects (notice that this entire paragraph looks badly formatted):

$$x = \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i \quad (1)$$

Reducing formula sizes this way is strictly forbidden. We **strongly** recommend authors to split formulas in multiple lines when they don't fit in a single line. This is the easiest approach to typeset those formulas and provides the most readable output

$$x = \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j \quad (2)$$

If a line is just slightly longer than the column width, you may use the `resizebox` environment on that equation. The result looks better and doesn't interfere with the paragraph's

Algorithm 1 Example algorithm

Input: Your algorithm's input**Parameter:** Optional list of parameters**Output:** Your algorithm's output

```
1: Let  $t = 0$ .
2: while condition do
3:   Do some action.
4:   if conditional then
5:     Perform task A.
6:   else
7:     Perform task B.
8:   end if
9: end while
10: return solution
```

[Brachman and Schmolze, 1985] Ronald J. Brachman and James G. Schmolze. An overview of the KL-ONE knowledge representation system. *Cognitive Science*, 9(2):171–216, April–June 1985.

line spacing:

$$x = \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i \quad (3)$$

This last solution may have to be adapted if you use different equation environments, but it can generally be made to work. Please notice that in any case:

- Equation numbers must be in the same font and size than the main text (10pt).
- Your formula's main symbols should not be smaller than small text (9pt).

For instance, the formula

$$x = \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j + \prod_{i=1}^n \sum_{j=1}^n j_i + \prod_{i=1}^n \sum_{j=1}^n i_j \quad (4)$$

would not be acceptable because the text is too small.

1.5 Algorithms and Listings

Algorithms and listings are a special kind of figures. Like all illustrations, they should appear floated to the top (preferably) or bottom of the page. However, their caption should appear in the header, left-justified and enclosed between horizontal lines, as shown in Algorithm 1. The algorithm body should be terminated with another horizontal line. It is up to the authors to decide whether to show line numbers or not, how to format comments, etc.

In L^AT_EX algorithms may be typeset using the `algorithm` and `algorithmic` packages, but you can also use one of the many other packages for the task.

1.6 Att använda referenser

Här kan vi prata om saker som kommer från [Abelson *et al.*, 1985], eller [Brachman and Schmolze, 1985], till exempel. Vi kan också referera till två artiklar på en gång [Abelson *et al.*, 1985; Brachman and Schmolze, 1985],

Referenser

[Abelson *et al.*, 1985] Harold Abelson, Gerald Jay Sussman, and Julie Sussman. *Structure and Interpretation of Computer Programs*. MIT Press, Cambridge, Massachusetts, 1985.