Dummy title

- 2 John Q. Public 🖂 🧥 🗅
- 3 Dummy University Computing Laboratory, [optional: Address], Country
- 4 My second affiliation, Country
- 6 Department of Informatics, Dummy College, [optional: Address], Country

Abstract

- 8 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent convallis orci arcu, eu mollis dolor.
- 9 Aliquam eleifend suscipit lacinia. Maecenas quam mi, porta ut lacinia sed, convallis ac dui. Lorem
- ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse potenti.
- 2012 ACM Subject Classification Replace ccsdesc macro with valid one
- 12 Keywords and phrases Dummy keyword
- Funding John Q. Public: (Optional) author-specific funding acknowledgements
- 14 Joan R. Public: [funding]

1 Typesetting instructions – Summary

LIPIcs is a series of open access high-quality conference proceedings across all fields in informatics established in cooperation with Schloss Dagstuhl. In order to do justice to the high scientific quality of the conferences that publish their proceedings in the LIPIcs series, which is ensured by the thorough review process of the respective events, we believe that LIPIcs proceedings must have an attractive and consistent layout matching the standard of the series. Moreover, the quality of the metadata, the typesetting and the layout must also meet the requirements of other external parties such as indexing service, DOI registry, funding agencies, among others. The guidelines contained in this document serve as the baseline for the authors, editors, and the publisher to create documents that meet as many

Please comply with the following instructions when preparing your article for a LIPIcs proceedings volume.

8 Minimum requirements

different requirements as possible.

- Use pdflatex and an up-to-date LATEX system.
- $_{30}$ Use further LATEX packages and custom made macros carefully and only if required.
- Use the provided sectioning macros: \section, \subsection, \subsubsection, \paragraph*, \paragraph*.
- Provide suitable graphics of at least 300dpi (preferably in PDF format).
- Use BibTeX and keep the standard style (plainurl) for the bibliography.
- Please try to keep the warnings log as small as possible. Avoid overfull \hboxes and any kind of warnings/errors with the referenced BibTeX entries.
- Use a spellchecker to correct typos.

Optional footnote, e.g. to mark corresponding author

2 Dummy short title

8 Mandatory metadata macros

- ³⁹ Please set the values of the metadata macros carefully since the information parsed from
- 40 these macros will be passed to publication servers, catalogues and search engines. Avoid
- placing macros inside the metadata macros. The following metadata macros/environments
- 42 are mandatory:
- 43 \title and, in case of long titles, \titlerunning.
- author, one for each author, even if two or more authors have the same affiliation.
- 45 \authorrunning and \Copyright (concatenated author names)
- The \author macros and the \Copyright macro should contain full author names (especially with regard to the first name), while \authorrunning should contain abbreviated first names.
- 49 ccsdesc (ACM classification, see https://www.acm.org/publications/class-2012).
- 50 keywords (a comma-separated list of keywords).
- relatedversion (if there is a related version, typically the "full version"); please make sure to provide a persistent URL, e.g., at arXiv.
- begin{abstract}...\end{abstract}...

54 Please do not ...

- Generally speaking, please do not override the lipics-v2021-style defaults. To be more specific, a short checklist also used by Dagstuhl Publishing during the final typesetting is given below. In case of non-compliance with these rules Dagstuhl Publishing will remove the corresponding parts of LATEX code and replace it with the lipics-v2021 defaults. In serious cases, we may reject the LaTeX-source and expect the corresponding author to revise the relevant parts.
- 51 Do not use a different main font. (For example, the times package is forbidden.)
- _ Do not alter the spacing of the lipics-v2021.cls style file.
- Do not use enumitem and paralist. (The enumerate package is preloaded, so you can use \begin{enumerate}[(a)] or the like.)
- Do not use "self-made" sectioning commands (e.g., \noindent{\bf My Paragraph}).
- 66 Do not hide large text blocks using comments or \iffalse ... \fi constructions.
- Do not use conditional structures to include/exclude content. Instead, please provide only the content that should be published in one file and nothing else.
- Do not wrap figures and tables with text. In particular, the package wrapfig is not supported.
- Do not change the bibliography style. In particular, do not use author-year citations. (The natbib package is not supported.)
- This is only a summary containing the most relevant details. Please read the complete document "LIPIcs: Instructions for Authors and the lipics-v2021 Class" for all details and don't hesitate to contact Dagstuhl Publishing (mailto:publishing@dagstuhl.de) in case of questions or comments: http://drops.dagstuhl.de/styles/lipics-v2021/lipics-v2021-authors/lipics-v2021-authors-guidelines.pdf

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Listing 1 Useless code.

```
for i:=maxint to 0 do
begin
    j:=square(root(i));
end;
```

- nec varius ac, ultricies et turpis. Pellentesque id ante erat. In hac habitasse platea dictumst.
- 84 Curabitur a scelerisque odio. Pellentesque elit risus, posuere quis elementum at, pellentesque
- ut diam. Quisque aliquam libero id mi imperdiet quis convallis turpis eleifend.
- ▶ Lemma 1 (Lorem ipsum). Vestibulum sodales dolor et dui cursus iaculis. Nullam ullamcorper purus vel turpis lobortis eu tempus lorem semper. Proin facilisis gravida rutrum.
- 88 Etiam sed sollicitudin lorem. Proin pellentesque risus at elit hendrerit pharetra. Integer at
- 89 turpis varius libero rhoncus fermentum vitae vitae metus.
- Proof. Cras purus lorem, pulvinar et fermentum sagittis, suscipit quis magna.
- ⁹¹ Just some paragraph within the proof. Nam liber tempor cum soluta nobis eleifend option
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- 93 dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut
- laoreet dolore magna aliquam erat volutpat.
- 95 ▷ Claim 2. content...
- 96 Proof. content...
- 97 **1.** abc abc abc

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- Corollary 3 (Curabitur pulvinar, [2]). Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
 - ▶ Proposition 4. This is a proposition
 - Proposition 4 and Proposition 4 ...

2.1 Curabitur dictum felis id sapien

Curabitur dictum Corollary 3 felis id sapien Corollary 3 mollis ut venenatis tortor feugiat. Curabitur sed velit diam. Integer aliquam, nunc ac egestas lacinia, nibh est vehicula nibh, ac auctor velit tellus non arcu. Vestibulum lacinia ipsum vitae nisi ultrices eget gravida turpis laoreet. Duis rutrum dapibus ornare. Nulla vehicula vulputate iaculis. Proin a consequat neque. Donec ut rutrum urna. Morbi scelerisque turpis sed elit sagittis eu scelerisque quam condimentum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Aenean nec faucibus leo. Cras ut nisl odio, non tincidunt lorem. Integer purus ligula, venenatis et convallis lacinia, scelerisque at erat. Fusce risus libero, convallis at fermentum in, dignissim sed sem. Ut dapibus orci vitae nisl viverra nec adipiscing tortor condimentum [1]. Donec non suscipit lorem. Nam sit amet enim vitae nisl accumsan pretium.

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- 126 Ut vitae diam augue.
- Integer lacus ante, pellentesque sed sollicitudin et, pulvinar adipiscing sem.
- Maecenas facilisis, leo quis tincidunt egestas, magna ipsum condimentum orci, vitae facilisis nibh turpis et elit.
- Page 130 ► Remark 5. content...

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nec tellus.

▶ Lemma 6 (Quisque blandit tempus nunc). Sed interdum nisl pretium non. Mauris sodales consequat risus vel consectetur. Aliquam erat volutpat. Nunc sed sapien ligula. Proin faucibus sapien luctus nisl feugiat convallis faucibus elit cursus. Nunc vestibulum nunc ac massa pretium pharetra. Nulla facilisis turpis id augue venenatis blandit. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.

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A Styles of lists, enumerations, and descriptions

List of different predefined enumeration styles:

```
begin{itemize}...\end{itemize}
166
    1. \begin{enumerate}...\end{enumerate}
    3. ...
   (a) \begin{alphaenumerate}...\end{alphaenumerate}
   (b) ...
   (c) ...
174
     (i) \begin{romanenumerate}...\end{romanenumerate}
175
     (ii) ...
    (iii) ...
   (1) \begin{bracketenumerate}...\end{bracketenumerate}
   (2) ...
179
   (3) ...
   Description 1 \begin{description} \item[Description 1] ...\end{description}
    Description 2 Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
182
       Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus
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       massa sit amet neque.
184
   Description 3 ...
185
       Proposition 10 and Proposition 10 ...
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```

B Theorem-like environments

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List of different predefined enumeration styles:

- Theorem 7. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.
- Lemma 8. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa
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- ▶ Corollary 9. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa
 sit amet neque.
- Proposition 10. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.
- Conjecture 11. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo
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 massa sit amet neque.
- Deservation 12. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.
- Exercise 13. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.
- Definition 14. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo
 dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus
 massa sit amet neque.
- Example 15. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.
- Note 16. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa
 sit amet neque.
- Note. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.
- Premark 17. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa
 sit amet neque.
- ▶ Remark. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa
 sit amet neque.
- Claim 18. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
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- Claim. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.
 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa
 sit amet neque.
- Proof. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.

Proof. Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet neque.