

# Dummy title

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## Abstract

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent convallis orci arcu, eu mollis dolor. 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 `ccsdsc` macro with valid one

**Keywords and phrases** Dummy keyword

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**Editor** LITES section area editor

## 1 Typesetting instructions – Summary

Please comply with the following instructions when preparing your article for a LITES issue.

### Minimum requirements

- Use pdf<sub>l</sub>atex and an up-to-date L<sup>A</sup>T<sub>E</sub>X system.
- Use further L<sup>A</sup>T<sub>E</sub>X packages and custom made macros carefully and only if required.
- Use the provided sectioning macros: `\section`, `\subsection`, `\subsubsection`, `\paragraph`, `\paragraph*`, and `\subparagraph*`.
- 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.

### Mandatory metadata macros

Please set the values of the metadata macros carefully since the information parsed from these macros will be passed to publication servers, catalogues and search engines. Avoid placing macros inside the metadata macros. The following metadata macros/environments are mandatory:

- `\title` and, in case of long titles, `\titlerunning`.
- `\author`, one for each author, even if two or more authors have the same affiliation.

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<sup>1</sup> Optional footnote, e.g. to mark corresponding author



- 25 ■ `\authorrunning` and `\Copyright` (concatenated author names)
- 26 The `\author` macros and the `\Copyright` macro should contain full author names (especially
- 27 with regard to the first name), while `\authorrunning` should contain abbreviated first names.
- 28 ■ `\ccsdesc` (ACM classification, see <https://www.acm.org/publications/class-2012>).
- 29 ■ `\keywords` (a comma-separated list of keywords).
- 30 ■ `\relatedversion` (if there is a related version, typically the “full version”); please make sure
- 31 to provide a persistent URL, e.g., at arXiv.
- 32 ■ `\begin{abstract}...\end{abstract}` .

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34 Generally speaking, please do not override the `lites-v2021`-style defaults. To be more specific, a  
 35 short checklist also used by Dagstuhl Publishing during the final typesetting is given below. In  
 36 case of **non-compliance** with these rules Dagstuhl Publishing will remove the corresponding  
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- 42 `\begin{enumerate}[(a)]` or the like.)
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- 45 ■ Do not use conditional structures to include/exclude content. Instead, please provide only the
- 46 content that should be published – in one file – and nothing else.
- 47 ■ Do not wrap figures and tables with text. In particular, the package `wrapfig` is not supported.
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- 49 `natbib` package is not supported.)

50 This is only a summary containing the most relevant details. Please read the complete  
 51 document “LIPICs: Instructions for Authors and the `lipics-v2021` Class”<sup>2</sup> for all details and  
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 53 questions or comments: <https://drops.dagstuhl.de/entities/series/LIPICs#author>

## 54 2 Lorem ipsum dolor sit amet

55 Lorem ipsum dolor sit amet, consectetur adipiscing elit [?]. Praesent convallis orci arcu, eu mollis  
 56 dolor. Aliquam eleifend suscipit lacinia. Maecenas quam mi, porta ut lacinia sed, convallis ac dui.  
 57 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse potenti. Donec eget odio et  
 58 magna ullamcorper vehicula ut vitae libero. Maecenas lectus nulla, auctor nec varius ac, ultricies  
 59 et turpis. Pellentesque id ante erat. In hac habitasse platea dictumst. Curabitur a scelerisque  
 60 odio. Pellentesque elit risus, posuere quis elementum at, pellentesque ut diam. Quisque aliquam  
 61 libero id mi imperdiet quis convallis turpis eleifend.

62 ► **Lemma 1** (Lorem ipsum). *Vestibulum sodales dolor et dui cursus iaculis. Nullam ullamcorper*  
 63 *purus vel turpis lobortis eu tempus lorem semper. Proin facilisis gravida rutrum. Etiam sed*  
 64 *sollicitudin lorem. Proin pellentesque risus at elit hendrerit pharetra. Integer at turpis varius*  
 65 *libero rhoncus fermentum vitae vitae metus.*

66 **Proof.** Cras purus lorem, pulvinar et fermentum sagittis, suscipit quis magna.

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<sup>2</sup> Even though this is a guide for articles in LIPICs proceedings, the rules contained therein also apply to LITES articles. A more comprehensive guide to all series and journals of Dagstuhl Publishing is in preparation.

**Listing 1** Useless code.

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

67 **Just some paragraph within the proof.** Nam liber tempor cum soluta nobis eleifend option  
68 congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit  
69 amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore  
70 magna aliquam erat volutpat.

71 ▷ Claim 2. content...

72 Proof. content...

73 1. abc abc abc ◀

74 ◀

75 ► **Corollary 3** (Curabitur pulvinar, [?]). *Nam liber tempor cum soluta nobis eleifend option congue*  
76 *nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet,*  
77 *consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna*  
78 *aliquam erat volutpat.*

79 ► **Proposition 4.** *This is a proposition*

80 Proposition 4 and Proposition 4 ...

81 **2.1 Curabitur dictum felis id sapien**

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

92 **2.2 Proin ac fermentum augue**

93 Proin ac fermentum augue. Nullam bibendum enim sollicitudin tellus egestas lacinia euismod orci  
94 mollis. Nulla facilisi. Vivamus volutpat venenatis sapien, vitae feugiat arcu fringilla ac. Mauris  
95 sapien tortor, sagittis eget auctor at, vulputate pharetra magna. Sed congue, dui nec vulputate  
96 convallis, sem nunc adipiscing dui, vel venenatis mauris sem in dui. Praesent a pretium quam.  
97 Mauris non mauris sit amet eros rutrum aliquam id ut sapien. Nulla aliquet fringilla sagittis.  
98 Pellentesque eu metus posuere nunc tincidunt dignissim in tempor dolor. Nulla cursus aliquet  
99 enim. Cras sapien risus, accumsan eu cursus ut, commodo vel velit. Praesent aliquet consectetur  
100 ligula, vitae iaculis ligula interdum vel. Integer faucibus faucibus felis.

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- 101 ■ Ut vitae diam augue.
- 102 ■ Integer lacus ante, pellentesque sed sollicitudin et, pulvinar adipiscing sem.
- 103 ■ Maecenas facilisis, leo quis tincidunt egestas, magna ipsum condimentum orci, vitae facilisis
- 104 nibh turpis et elit.

105 ► Remark 5. content...

### 106 3 Pellentesque quis tortor

107 Nec urna malesuada sollicitudin. Nulla facilisi. Vivamus aliquam tempus ligula eget ornare.  
108 Praesent eget magna ut turpis mattis cursus. Aliquam vel condimentum orci. Nunc congue, libero  
109 in gravida convallis [?], orci nibh sodales quam, id egestas felis mi nec nisi. Suspendisse tincidunt,  
110 est ac vestibulum posuere, justo odio bibendum urna, rutrum bibendum dolor sem nec tellus.

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

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

### 118 4 Morbi eros magna

119 Morbi eros magna, vestibulum non posuere non, porta eu quam. Maecenas vitae orci risus, eget  
120 imperdiet mauris. Donec massa mauris, pellentesque vel lobortis eu, molestie ac turpis. Sed  
121 condimentum convallis dolor, a dignissim est ultrices eu. Donec consectetur volutpat eros, et  
122 ornare dui ultricies id. Vivamus eu augue eget dolor euismod ultrices et sit amet nisi. Vivamus  
123 malesuada leo ac leo ullamcorper tempor. Donec justo mi, tempor vitae aliquet non, faucibus eu  
124 lacus. Donec dictum gravida neque, non porta turpis imperdiet eget. Curabitur quis euismod  
125 ligula.

---

## — References —

### 126 A Styles of lists, enumerations, and descriptions

127 List of different predefined enumeration styles:

128 ■ `\begin{itemize}...\end{itemize}`

129 ■ ...

130 ■ ...

131 1. `\begin{enumerate}...\end{enumerate}`

132 2. ...

133 3. ...

134 (a) `\begin{alphaenumerate}...\end{alphaenumerate}`

135 (b) ...

136 (c) ...

137 (i) `\begin{romanenumerate}...\end{romanenumerate}`

138 (ii) ...

139 (iii) ...

140 (1) `\begin{bracketenumerate}...\end{bracketenumerate}`

141 (2) ...

142 (3) ...

143 **Description 1** `\begin{description} \item[Description 1] ... \end{description}`

144 **Description 2** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam  
145 vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet  
146 neque.

147 **Description 3** ...

148 Proposition 10 and Proposition 10 ...

## 149 **B** Theorem-like environments

150 List of different predefined enumeration styles:

151 ► **Theorem 7.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
152 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
153 *amet neque.*

154 ► **Lemma 8.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam*  
155 *vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet*  
156 *neque.*

157 ► **Corollary 9.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
158 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
159 *amet neque.*

160 ► **Proposition 10.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
161 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
162 *amet neque.*

163 ► **Conjecture 11.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
164 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
165 *amet neque.*

166 ► **Observation 12.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
167 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
168 *amet neque.*

169 ► **Exercise 13.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
170 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
171 *amet neque.*

172 ► **Definition 14.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
173 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
174 *amet neque.*

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175 ► **Example 15.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.  
176 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit  
177 amet neque.

178 ► **Note 16.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam  
179 vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet  
180 neque.

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

184 ► **Remark 17.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam  
185 vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet  
186 neque.

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

190 ▷ **Claim 18.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam  
191 vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit amet  
192 neque.

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

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

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