Dummy title

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— Abstract -

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent convallis orci arcu, eu mollis dolor.
- 12 Aliquam eleifend suscipit lacinia. Maecenas quam mi, porta ut lacinia sed, convallis ac dui. Lorem
- ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse potenti.
- 14 2012 ACM Subject Classification General and reference → General literature; General and reference
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- $_{34}$ Use pdflatex and an up-to-date LATEX system.
- Use further LATEX 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.

¹ Optional footnote, e.g. to mark corresponding author



23:2 Dummy short title

- 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.
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- 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.
- 49 \author, one for each author, even if two or more authors have the same affiliation.
- $_{50}$ \blacksquare \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.
- 54 \ccsdesc (ACM classification, see https://www.acm.org/publications/class-2012).
- 55 **\keywords** (a comma-separated list of keywords).
- Trelatedversion (if there is a related version, typically the "full version"); please make sure to provide a persistent URL, e.g., at arXiv.

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- _ Do not alter the spacing of the oasics-v2019.cls style file.
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- 70 Do not use "self-made" sectioning commands (e.g., \noindent{\bf My Paragraph}).
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- oasics-v2019-authors/oasics-v2019-authors-guidelines.pdf

Listing 1 Useless code

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

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Lorem ipsum dolor sit amet, consectetur adipiscing elit [4]. Praesent convallis orci arcu, eu 84 mollis dolor. Aliquam eleifend suscipit lacinia. Maecenas quam mi, porta ut lacinia sed, 85 convallis ac dui. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse potenti. Donec eget odio et magna ullamcorper vehicula ut vitae libero. Maecenas lectus nulla, auctor 87 nec varius ac, ultricies et turpis. Pellentesque id ante erat. In hac habitasse platea dictumst. 88 Curabitur a scelerisque odio. Pellentesque elit risus, posuere quis elementum at, pellentesque ut diam. Quisque aliquam libero id mi imperdiet quis convallis turpis eleifend. 90

▶ 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. Etiam sed sollicitudin lorem. Proin pellentesque risus at elit hendrerit pharetra. Integer at turpis varius libero rhoncus fermentum vitae vitae metus.

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

⊳ Claim 2. content...

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Proof. content...
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```

▶ Corollary 3 (Curabitur pulvinar, [2]). Nam liber tempor cum soluta nobis eleifend option 99 conque 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 ...

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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- 127 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.
 - Remark 5. content...

 Remark 5.

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Nec urna malesuada sollicitudin. Nulla facilisi. Vivamus aliquam tempus ligula eget ornare.
Praesent eget magna ut turpis mattis cursus. Aliquam vel condimentum orci. Nunc congue,
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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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Morbi eros magna, vestibulum non posuere non, porta eu quam. Maecenas vitae orci risus, eget imperdiet mauris. Donec massa mauris, pellentesque vel lobortis eu, molestie ac turpis. Sed condimentum convallis dolor, a dignissim est ultrices eu. Donec consectetur volutpat eros, et ornare dui ultricies id. Vivamus eu augue eget dolor euismod ultrices et sit amet nisi. Vivamus malesuada leo ac leo ullamcorper tempor. Donec justo mi, tempor vitae aliquet non, faucibus eu lacus. Donec dictum gravida neque, non porta turpis imperdiet eget. Curabitur quis euismod ligula.

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A Styles of lists, enumerations, and descriptions

List of different predefined enumeration styles:

```
begin{itemize}...\end{itemize}
169
    1. \begin{enumerate}...\end{enumerate}
    2. ...
171
    3. ...
172
   (a) \begin{alphaenumerate}...\end{alphaenumerate}
   (b) ...
   (c) ...
     (i) \begin{romanenumerate}...\end{romanenumerate}
176
     (ii) ...
177
    (iii) ...
178
   (1) \begin{bracketenumerate}...\end{bracketenumerate}
   (2) ...
180
   (3) ...
181
   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.
183
       Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus
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       massa sit amet neque.
185
   Description 3 ...
186
```

187 B Theorem-like environments

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

 sit amet neque.

- ▶ 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.
- Exercise 11. 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 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.
- Example 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.
- Note 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.
- 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.
- ≥ Remark 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.
- Premark. 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 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.
- 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.