

The `qccurj` class

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Abstract

This document describes the class `qccurj`, to be used in \LaTeX typesetting of articles for the *Queensborough Community College Undergraduate Research Journal*.

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1 Introduction

The *Queensborough Community College Undergraduate Research Journal* (QCC URJ) is a peer-reviewed journal which publishes original scientific work by undergraduate students in all disciplines of the QCC campus of the City University of New York (CUNY). This L^AT_EX class incorporates the formatting guidelines of the Journal. It also provides a (relatively) easy way to produce a *blind* version for double-blind peer reviewing.

While it is tailored to formal sciences (Mathematics and Computer Science), it may be used by other disciplines as well.

For more information about the QCC URJ (and how to submit your paper), visit the journal's page at www.qcc.cuny.edu/urj. For any questions, remarks, or bug reports, send a message to MSassolas@qcc.cuny.edu.

2 Class loading

2.1 Installation and dependencies

To use the `qccurj` class, download or extract the file `qccurj.cls` file and keep it either

- in the `texmf` tree, in an appropriate folder (for example `$TEXMF/tex/latex/QccUrj/`)
- in the same folder as the `.tex` master file.

The `qccurj` class relies on the classical `article.cls`, which is part of every standard L^AT_EX installation. It also requires the following (standard) packages. If one appears missing when compiling, install it from your favorite CTAN mirror:

- | | | |
|-----------------------------|----------------------------|------------------------------|
| • <code>mathptmx.sty</code> | • <code>cite.sty</code> | • <code>amsthm.sty</code> |
| • <code>geometry.sty</code> | • <code>amsmath.sty</code> | • <code>hyperref.sty</code> |
| • <code>xspace.sty</code> | • <code>amssymb.sty</code> | • <code>vancouver.bst</code> |

2.2 Class loading

The class loading should be the first line of the `.tex` file:

```
\documentclass{qccurj}      or      \documentclass[<options>]{qccurj}
```

There are two available options: `draft` and `blind`.

The `draft` option has the following effects:

- It is passed to the `article` class, so its usual effects (such as including images only as their bounding-box when using `\includegraphics`) are maintained.

- It adds a date stamp below the title.
- Overfull bad-boxes are highlighted with a 5pt rule.

The `blind` option compiles the document in *blind* mode for double-blind reviewing. Its effects are described in details in Section 4.

3 Typesetting

3.1 Preparing the title

The title and information about the authors must be entered in the preamble (so before the `\begin{document}` command). If one of these elements is missing, a warning will be produced at compilation.

Defining the title is done through the `\title` command. It can include a `\thanks` note, usually to mention the funding source. For example:

```
\title{A Title\thanks{Work supported by NSF grant 123456789.}}
```

The authors are entered through the `\author` command. If there are several authors, they should be separated by the `\and` command.

Their affiliation can be entered in two different ways. If they have different affiliation, each should be given after the corresponding author by the `\inst` command:

```
\author{John Doe\inst{Queensborough Community College}%
\and Jane Smith\inst{Queensborough Community College\CUNY graduate center}%
}
```

If all authors have the same affiliation, it can be given *outside* of the `\author` command in the `\institution` command:

```
\author{John Doe \and Jane Smith}
\institution{Department of the Topic\Queensborough Community College, CUNY}
```

Note the `\institution` command overrides individual affiliations if previously defined. A starred version `\institution*` does not override the individual affiliation. The starred version and the non-starred version should not be both used at the same time. This would produce a warning and the starred version would be overridden by the non-starred version, regardless of their relative position in the code. The intended use of `\institution*` is to be able to specify only once the common part of the affiliation, while individuals may keep a more specific affiliation, such as the example below:

```
\author{John Doe\inst{Department of the Topic}%
\and Jane Smith\inst{CUNY graduate center}}
\institution*{Queensborough Community College, CUNY}
```

3.2 Theorems etc

Definitions, theorems, and other such elements are already defined, using the `amsthm.sty` commands. While other theorem-like elements might be created, it is suggested to be parsimonious and to preferably rely on the existing ones, which are:

- | | | |
|---------------------------|----------------------------|---------------------------|
| • <code>definition</code> | • <code>corollary</code> | • <code>conjecture</code> |
| • <code>theorem</code> | • <code>proposition</code> | • <code>example</code> |
| • <code>lemma</code> | • <code>claim</code> | • <code>remark</code> |

4 Double-blinding

The double-blind review process guarantees a fair and unbiased evaluation of the research. To do this, the QCC URJ uses double-blind review, where the identity of the reviewers and the authors are concealed. To minimize the overhead of preparing a blind and a non-blind version, the `qccurj` class provides the `blind` class option to compile the blinded version.

4.1 Title and in-text blinding

In *blind* mode, the author's names and affiliation is masked, and replaced by an empty box (of arbitrary size). The acknowledgements produced through the `\thanks` command are also replaced by filler text.

Apart from the bibliography (for which specific commands exist), the rest of the blinding can be done at the time of writing by using the `\altblind{}{}` command. It takes two arguments: the first is the text that will be displayed in the normal version, the second is the blinded alternate.

```
\altblind{We extend our work from our 2019 paper}{%
    This paper extends the work described in this article}
```

For bigger changes, or to define custom commands, the `\ifBlind` conditional can be used:

```
\ifBlind
  \bigskip\framebox{Acknowledgements masked for double-blind review.}
\else
\paragraph{Acknowledgements}
  We would like to thank Prof. Zhang for reviewing a preliminary version
  of this article.
\fi
```

4.2 The bibliography

This section assumes that bibliography is generated using BibT_EX. It does not work with BibL_AT_EX which conflicts with the `cite.sty` package.

4.2.1 Usage

The class introduces commands `\blindcite` and `\blindnocite` which behave exactly like `\cite` and `\nocite`, respectively, in non-*blind* mode. In *blind* mode, the reference will be masked in the list of references.

The best way to include several citations including one that will be blinded is to use a combination of `\cite` and `\blindnocite` as follows:

```
\cite{jones2017,doe2018,jones2019}\blindnocite{doe2018}
```

Note that using `\blindnocite` after the actual citation ensures that the order of citation will not be altered by the `\blindnocite`.

After adding or removing the `blind` option, the BibT_EX compilation sequence¹ has to be run for the blinding of the bibliography to be effective.

Remarks

- Technically, it is only necessary to cite a reference using the `blind` version of the command once.
- In blind mode, BibT_EX produces errors and warnings for blinded entries; this is normal.

4.2.2 How it works

To explain the behavior described in the remarks above, we need to explain how references are blinded.

Anytime a citation is made with a `blind` version of the command, a dummy citation is created in a file with the same name as the master `.tex` file, with extension `.blindedrefs.bib`. Such entries will have this form:

```
@misc{doe2018,  
  title = {Reference concealed for double-blind review},  
  year = {will appear on final version},  
}
```

This file is included as a bibliography source *before* any actual bibliography file, hence the data for this entry will be the “dummy” one.

¹[pdf]latex, bibtex, [pdf]latex, [pdf]latex.

As a result, blinded citations appear twice in the bibliographic databases; the “Repeated entry” errors produced by BibTeX stem from this. In addition, not all fields are completed in this dummy entry, so some warnings (such as “Warning—empty author in doe2018”) will also be generated for the entry.

5 A full example

The file reproduced below provides an example of the usage of the `qccurj` class. Users can experiment with the class options and the different versions of affiliation display.

```

1 \documentclass[%
2 % blind,%
3 % draft%
4 ]{qccurj}
5 \usepackage{tikz}
6 \usetikzlibrary{automata}
7 \tikzstyle{every state}=[minimum size=10pt,inner sep=2pt,initial text=]
8
9 \title{A Title\thanks{Work supported by NSF grant 123456789.}}
10
11 %% Version 1: no individual institutions
12 \%author{John Doe \and Jane Smith}
13 \%institution{Department of the Topic\\Queensborough Community College, CUNY} % Required in this case
14
15 %% Version 2: individual institutions
16 \%author{John Doe\inst{Queensborough Community College} %
17 \%and Jane Smith\inst{Queensborough Community College\\CUNY graduate center}}
18
19 %% Version 3: individual institutions superseded
20 \%author{John Doe\inst{Queensborough Community College} %
21 \%and Jane Smith\inst{Queensborough Community College\\CUNY graduate center}}
22 \%institution{Department of the Topic\\Queensborough Community College, CUNY} % Supersedes individual \inst
23
24 % Version 4: individual institutions with additional common institution
25 \author{John Doe\inst{Department of the Topic} \and Jane Smith\inst{CUNY graduate center}}
26 \institution*{Queensborough Community College, CUNY} % In addition to individual institutions
27
28 \begin{document}
29 \begin{abstract}
30 Lorem ipsum dolor sit amet, consectetur adipiscing elit.
31 Donec non hendrerit diam.
32 Proin aliquet risus mauris.
33 Sed aliquet dignissim arcu vitae ultrices.
34 Pellentesque in elementum arcu.
35 Donec mattis mauris interdum libero maximus, sit amet sollicitudin ante condimentum.
36
37 Curabitur quis lacinia neque.
38 Sed et malesuada justo.
39 Pellentesque non neque dictum, feugiat lorem a, vulputate felis.
40 Sed sodales leo id orci dignissim porttitor.
41 Nulla augue dui, aliquam a iaculis eget, vehicula eleifend nunc.
42 \end{abstract}
43
44 \section{Sectionning [This is a section]}
45

```

```

46 \subsection{Vestibulum lacinia interdum [This is a subsection]}
47 Praesent ut ligula urna.
48 Suspendisse rutrum nulla sit amet lectus iaculis ultrices.
49 Duis convallis ex massa, scelerisque condimentum arcu pulvinar a.
50 Suspendisse ut fermentum purus.
51 Nam laoreet ex id lacinia accumsan.
52 Nullam vehicula id nulla id scelerisque.
53
54 \subsection{Egestas vulputate [This is a subsection]}
55 Mauris quis est id arcu ullamcorper elementum.
56 Ut auctor enim lorem, at imperdiet risus elementum a.
57 Nunc sed urna auctor, rhoncus purus eu, sagittis tellus.
58 Fusce cursus tortor a turpis elementum, eu vehicula nulla scelerisque.
59
60 In sollicitudin lectus erat, vel mattis nulla placerat in.
61 Praesent eleifend vel enim ac ornare.
62 Quisque sed condimentum sem.
63 Nullam efficitur et sem et sollicitudin.
64 Etiam fermentum purus urna, eu euismod leo dapibus.
65
66 \subsubsection{Fusce volutpat [This is a subsubsection]}
67 Fusce facilisis augue vel accumsan rhoncus.
68 Nulla facilisi.
69 Cras placerat nec libero non viverra.
70 Phasellus dignissim blandit sem a fermentum.
71
72 Sed aliquet turpis non ex aliquam pulvinar.
73 Donec quam nisi, ultricies id tempor a, facilisis eu lacus.
74 Duis massa odio, pellentesque ac purus et, ultrices convallis nibh.
75 Praesent massa purus, volutpat ut tincidunt a, congue bibendum ex.
76
77 \subsubsection{Fusce volutpat [This is a subsubsection]}
78 Nullam bibendum accumsan nisl, sit amet bibendum enim.
79 Nulla erat felis, suscipit convallis felis sit amet, malesuada dapibus ligula.
80
81 Sed facilisis nisl dictum lacus lobortis, ac interdum orci dictum.
82 Praesent non erat nisl.
83 Phasellus sodales, nibh ac ultrices luctus, eros lacus dictum urna, eget gravida nisl enim malesuada purus.
84
85 \paragraph{Morbi lorem [This is a paragraph]}
86 Vestibulum hendrerit facilisis fermentum.
87 Morbi pharetra nec tellus in luctus.
88 Nulla volutpat erat at felis maximus dictum a a massa.
89 Ut dapibus, diam non dictum vehicula, felis ligula facilisis sapien, in eleifend eros lorem sit amet sapien.
90
91 Nam semper posuere gravida.
92 Ut ex risus, ullamcorper in nisl a, dapibus maximus est.
93 Sed finibus finibus augue, ac egestas ex scelerisque sed.Morbi nec interdum tellus.
94
95 \paragraph{Phasellus dapibus [This is a paragraph]}
96 Nullam porta urna eget diam faucibus, nec interdum ipsum feugiat.
97 Fusce feugiat ac tortor vel tempus.
98 Aliquam vitae velit euismod, feugiat felis et, congue purus.
99 \begin{example}
100 Phasellus aliquam laoreet orci in aliquet.
101 Duis varius urna sit amet tempor aliquam.
102 Nunc lacus felis, vehicula feugiat gravida ac, accumsan quis ex.
103 \end{example}
104 Donec nulla elit, dapibus eu odio vel, dapibus porta felis.
105 Donec molestie quis leo sit amet tempor.

```

```

106 Etiam non erat facilisis, bibendum nisl et, laoreet sem.
107
108 \subparagraph{Vivamus molestie [This is a subparagraph]}
109 Vestibulum ac ligula ac sem molestie euismod tempor ut velit.
110 Nam consectetur tristique elit non pulvinar.
111 Ut eget nunc quis est sollicitudin interdum.
112
113 \subparagraph{Pellentesque sollicitudin [This is a subparagraph]}
114 Pellentesque est magna, cursus in neque vitae, blandit lacinia tellus.
115 Vivamus blandit auctor mi, tempus laoreet eros.
116
117 Cras sollicitudin lacinia enim, scelerisque vulputate neque vehicula nec.
118 Nulla ultricies, sem a porta porttitor, urna est semper ipsum, quis sodales nisi nisl sed odio.
119
120
121 \section{Figures, tables, math mode, and an \emph{Overfull Bad Box}}
122
123 Nullam id nibh a dui \figurename~\ref{fig:tree} cursus dictum id a sem.
124 Proin eget vehicula mi, vel \figurename~\ref{fig:logo} consequat tellus.
125 Ut id \tablename~\ref{tab:numbers} dapibus nisi.
126
127 \begin{figure}
128 \centering
129 \begin{tikzpicture}[node distance=1.5cm]
130 \node[state] (x0) at (0,0) {$x_0$};
131 \node[state] (x1) at (-2,-1) {$x_1$};
132 \node[state] (x2) at (2,-1) {$x_2$};
133 \node[state,below left of=x1] (x3) {$x_3$};
134 \node[state,below right of=x1] (x4) {$x_4$};
135 \node[state,below left of=x2] (x5) {$x_5$};
136 \node[state,below right of=x2] (x6) {$x_6$};
137
138 \draw[line width=1pt] (x0) edge (x1)
139                        edge (x2);
140 \draw[line width=1pt] (x1) edge (x3)
141                        edge (x4);
142 \draw[line width=1pt] (x2) edge (x5)
143                        edge (x6);
144 \end{tikzpicture}
145 \caption[A Tree]{A tree, drawn with \emph{TikZ}.}
146 \label{fig:tree}
147 \end{figure}
148
149 Maecenas vitae ullamcorper nulla.
150 Vestibulum aliquet lorem quis pulvinar vehicula.
151 Aliquam erat volutpat.
152 In semper tellus vel odio tristique cursus.
153
154 \begin{table}
155 \centering
156 \begin{tabular}{|c|c|c|c|c|}\hline
157   & A & B & C & D & E \\ \hline
158 \emph{Lorem} & 12.34 & 56.7 & 8.90 & 1.11 & 2.13 \\ \hline
159 \emph{Ipsum} & 2.13 & 12.34 & 56.7 & 8.90 & 1.11 \\ \hline
160 \emph{Dolor} & 12.34 & 8.90 & 56.7 & 2.13 & 1.11 \\ \hline
161 \emph{Sit} & 56.7 & 12.34 & 8.90 & 1.11 & 2.13 \\ \hline
162 \emph{Amet} & 8.90 & 12.34 & 2.13 & 1.11 & 56.7 \\ \hline
163 \end{tabular}
164 \caption{Some numbers.}
165 \label{tab:numbers}

```



```

166 \end{table}
167
168 Sed magna neque, lobortis eu eros sit amet, mollis malesuada mauris.
169 Nunc eu porta lacus.
170 Curabitur  $2x^2+3x-7=0$  convallis vulputate libero pulvinar scelerisque.
171 Sed et facilisis arcu, porta dignissim diam.
172  $[n! \sim n^n e^{-n} \sqrt{2\pi n}]$ 
173 Vestibulum risus metus, tristique nec molestie pretium, interdum a nisl.
174 Nulla id lacinia libero.
175 In hac habitasse platea dictumst.
176 Nullam id urna euismod, pretium felis id, dapibus sapien.
177
178 \begin{figure}
179 \centering
180 \includegraphics[width=7cm]{QCClogo}
181 \caption[The QCC logo]{The QCC logo, included with \texttt{\textbackslash includegraphics}.}
182 \label{fig:logo}
183 \end{figure}
184
185 Sed at ex nibh.
186 Quisque lacinia elit non massa venenatis porttitor.
187 Sed euismod dictum ante, sit amet pharetra ex molestie a.
188 Mauris dolor ligula, viverra tempus volutpat non.
189 \mbox{Donec sagittis ullamcorper} gravida, suscipit et massa.
190 Aliquam a eros nunc.
191 Vestibulum placerat molestie purus, ut iaculis arcu semper ac.
192
193 \section{Theorems etc}
194
195 \begin{definition}[Ut dapibus]
196 Sed ullamcorper neque ut turpis semper, quis dignissim tellus ultrices.
197 Etiam eu tortor ac urna faucibus vestibulum sed quis nisl.
198
199 \end{definition}
200
201 \begin{claim}
202 Quisque orci sapien, pulvinar eu urna sed, rutrum luctus est.
203
204 \end{claim}
205
206 \begin{proposition}
207 Donec convallis cursus libero, id tempor lorem egestas porta.
208 Nulla arcu ligula, pharetra sit amet eros nec, molestie sodales neque.
209 \end{proposition}
210
211 \begin{theorem}\label{thm:pharetra}
212 Nullam eu augue ut nisi tempor imperdiet ut vel sapien.
213 Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos.
214 Suspendisse erat nunc, blandit eget pulvinar ut, pulvinar sed lorem.
215 \end{theorem}
216
217 \begin{lemma}
218 Sed at felis ipsum.
219 Morbi quis vulputate lorem, nec laoreet augue.
220 Cras ut nisl condimentum, fermentum metus viverra, eleifend erat.
221 \end{lemma}
222
223 \begin{proof}
224 Phasellus malesuada turpis ante, ut efficitur mi eleifend a.
225 Integer lobortis auctor sapien vitae lacinia.

```

```

226 Aenean sit amet metus vel neque tristique finibus.
227 \end{proof}
228
229 \begin{proof}[\proofname of Theorem~\ref{thm:pharetra}]
230 Pellentesque ac mauris non risus consectetur laoreet non eget nunc.
231 Morbi nec nulla vel ligula commodo placerat et sit amet mauris.
232 Integer aliquet molestie interdum.
233 Nullam pellentesque nulla sed magna lacinia facilisis.
234 \end{proof}
235
236 \begin{corollary}
237 Nam vitae ligula feugiat diam molestie cursus nec volutpat ligula.
238 Vestibulum bibendum commodo arcu a semper.
239 \end{corollary}
240
241 \begin{remark}
242 Ut a tortor nisl.
243 Vivamus accumsan malesuada diam sed congue.
244 Phasellus eu mi urna.
245 Morbi augue erat, pharetra in justo nec, elementum luctus arcu.
246 \end{remark}
247
248 \begin{example}
249 Donec libero risus, auctor ac ullamcorper id, dapibus vitae enim.
250 Donec ullamcorper malesuada tortor, sagittis imperdiet lorem mattis eu.
251 Quisque pellentesque aliquet luctus.
252 \end{example}
253
254
255 \section{Citations and blinding}
256
257 Nam eu nibh augue.
258 Donec vel ex non leo suscipit~\blindcite{smith2017} feugiat quis a leo.
259 Curabitur rutrum velit ac lacus elementum dignissim.
260 Proin vitae tincidunt velit~\cite{johnson2018}.
261 Phasellus suscipit enim non ante malesuada lacinia a ac odio.
262 Nam rhoncus ultrices porttitor.
263 Nulla eget finibus justo, et facilisis nulla.
264 Curabitur scelerisque~\cite{brown2017,jones2014,johnson2018} porttitor massa, et maximus augue luctus eu.
265 Morbi volutpat, eros et consectetur malesuada, ex est porttitor ante, eu posuere metus neque a nisl.
266 Aliquam commodo eu ligula a aliquam~\cite{smith2017,doe2020,williams2016}\blindnocite{doe2020}.
267
268 \altblind{Ut non leo mi.}{BLIND-BLIND-BLIND-BLIND}
269 Donec eu justo sed ex varius faucibus vitae in turpis.
270 Etiam scelerisque a massa pharetra tincidunt.
271 Nunc quis vulputate ante.
272 Aliquam erat volutpat.
273
274 \ifBlind
275   \bigskip\framebox{Acknowledgements masked for double-blind review.}
276 \else
277   \paragraph{Acknowledgements}
278     We would like to thank Prof.
279     Zhang for reviewing a preliminary version
280     of this article.
281 \fi
282
283 \bibliography{TestQccUrjClass}
284 \end{document}

```

Below is the file `TestQccUrjClass.bib` used in the above example.

```
1 @article{brown2017,  
2   author = {Brown, Albert and Schwartz, Peter James and van Eyck, Jan},  
3   title = {An interesting article on the topic},  
4   journal = {International Journal of Interesting Articles},  
5   year = 2017,  
6   volume = 43,  
7   number = 7,  
8   month = mar,  
9   pages = {53-78},  
10  }  
11  
12 @article{smith2017,  
13   author = {Smith, Jane and Locke, Jr, John},  
14   title = {Previous work},  
15   journal = {Journal of Previous Work},  
16   year = 2017,  
17   volume = 12,  
18   number = 15,  
19   month = jul,  
20   pages = {114-127},  
21  }  
22  
23 @book{williams2016,  
24   author = {Williams, Jr, Paul},  
25   title = {Everything you need to know: The Book},  
26   year = 2016,  
27   edition = 3,  
28   publisher = {Bookish Publishing Company},  
29   isbn = {123-456-7890},  
30  }  
31  
32 @inproceedings{johnson2018,  
33   author = {Johnson, Emily Mary and Robinson, Henry},  
34   editor = {Peterson, Peter and Robertson, Robert},  
35   title = {Why you should attend my presentation},  
36   booktitle = {Proceedings of the 27th {I}nternational {C}onference on the {T}opic ({ICT'18})},  
37   year = 2018,  
38   publisher = {Conference Printers},  
39   location = {Conferencetown},  
40   month = jun,  
41   pages = {35-38},  
42  }  
43  
44 @mastersthesis{doe2020,  
45   author = {Doe, John},  
46   title = {The latest Knowledge on the Topic},  
47   type = {Masters thesis},  
48   school = {CUNY Graduate Center},  
49   year = 2020,  
50  }  
51  
52 @techreport{jones2014,  
53   author = {Jones, Helena and de la Bathe, Hubert},  
54   title = {Technical notes not unrelated to the topic},  
55   year = 2014,  
56   editor = {Robinson, Henry},  
57   url = {http://www.example.com/research/tech-notes-not-unrelated-topic},  
58  }
```

6 Source code

```

1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesClass{qccurj}[2020/01/01]
3 \typeout{Queensborough Community College Undergraduate Research Journal}
4 \LoadClass[12pt,letterpaper]{article}
5
6 \newif\ifBlind
7 \Blindfalse
8 \newif\ifDraft
9 \Draftfalse
10 \overfullrule=0pt
11 \DeclareOption{draft}{
12   \PassOptionsToClass{draft}{article}
13   \Drafttrue
14   \overfullrule=5pt
15 }
16
17 \DeclareOption{blind}{
18   \Blindtrue
19 }
20
21 \ProcessOptions
22 \RequirePackage{mathptmx}           %% Times New Roman font, both text and math
23 \RequirePackage[margin=1in]{geometry} %% Page layout
24 \RequirePackage{xspace}             %% Spacing
25 \RequirePackage{cite}               %% Custom citation style; for Vancouver with parenthesis
26 \RequirePackage{amsmath,amssymb,amsthm} %% Math: symbols and Theorems
27 \RequirePackage{hyperref}           %% Hyperlinks; required for url field in bibliography
28
29 %% Structure styling
30
31 %%% (Sub)paragraphs style (the rest is default)
32 \newcommand{\maybe@addperiod}[1]{#1\@addpunct{.}}
33 \renewcommand\paragraph{\@startsection{paragraph}{4}{\z@}{3.25ex \@plus1ex \@minus.2ex}{-1em}{%
34 \normalfont\normalsize\bfseries\maybe@addperiod}}
35 \renewcommand\subparagraph{\@startsection{subparagraph}{5}{\parindent}{3.25ex \@plus1ex \@minus.2ex}{-1em}{%
36 \normalfont\normalsize\itshape\maybe@addperiod}}
37
38 %%% Caption: label in bold.
39 \long\def\@makecaption#1#2{%
40   \vskip\abovecaptionskip
41   \sbox\@tempboxa{\textbf{#1}. #2}%
42   \ifdim \wd\@tempboxa >\hsize
43     \textbf{#1}. #2\par
44   \else
45     \global \@minipagefalse
46     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
47   \fi
48   \vskip\belowcaptionskip}
49
50
51 %% Citation
52
53 %%% Styling
54 \renewcommand\citeleft{}
55 \renewcommand\citeright{}
56 \renewcommand\@biblabel[1]{(##1)} % from [1] to 1
57 \bibliographystyle{vancouver}
58

```

```

59 %%% Citation in blind mode
60 \let\oldbib\bibliography
61 \ifBlind%
62 \newwrite\dummy@reference@list
63 \immediate\openout\dummy@reference@list=\jobname.blindedrefs.bib
64 \fi
65 \newcommand{\@dummyreference}[1]{%
66 \ifBlind%
67 \immediate\write\dummy@reference@list{%
68 \misc{#1,title = {Reference concealed for double-blind review},year = {will appear on final version},}}%
69 \fi%
70 }
71 \renewcommand{\bibliography}[1]{\oldbib{\ifBlind \jobname.blindedrefs,\fi#1}}
72 \newcommand{\@blindcite@withopt}[2][\@dummyreference{#2}\cite{#1}{#2}}
73 \newcommand{\@blindcite@noopt}[1]{\@dummyreference{#1}\cite{#1}}
74 \newcommand{\@blindcite}{\@ifnextchar [\@blindcite@withopt]{\@blindcite@noopt}}
75 \newcommand{\blindnocite}[1]{\@dummyreference{#1}\nocite{#1}}
76
77
78 %% Theorems etc
79 \theoremstyle{plain}
80 \newtheorem{theorem}{Theorem}
81 \newtheorem{lemma}[theorem]{Lemma}
82 \newtheorem{proposition}[theorem]{Proposition}
83 \newtheorem{scholia}[theorem]{Scholia}
84 \newtheorem{corollary}[theorem]{Corollary}
85 \newtheorem{claim}[theorem]{Claim}
86 \newtheorem{conjecture}[theorem]{Conjecture}
87
88 \theoremstyle{definition}
89 \newtheorem{definition}{Definition}
90
91 \newtheorem{example}{Example}
92 \newtheorem{remark}{Remark}
93
94 \let\oldProofname\proofname
95 \renewcommand{\proofname}{\oldProofname\xspace}
96
97 %% Title, authors, institution...
98 \newcounter{@authorsCount}
99 \newif\ifIn@AuthorMacro
100 \In@AuthorMacrofalse
101 \newcommand{\inst}[1]{%
102 \ifcsname @institution\endcsname\relax\else\\@for\tmp:=#1\do{\large\tmp\\}\[-1em]\fi%
103 %%\expandafter\def\csname @institution@author@the@authorsCount\endcsname{#1}%
104 %}
105
106 \newif\if@inst@defined
107 \@inst@definedfalse
108 \newcommand{\inst}[1]{%
109 \global\@inst@definedtrue%
110 \ifcsname @institution\endcsname\relax%
111 \else%
112 \\large\setlength{\tabcolsep}{0pt}\begin{tabular}[t]{c}#1\end{tabular}%
113 \fi%
114 }
115
116 \def\and{% % \begin{tabular}
117 \end{tabular}%
118 % \ifIn@AuthorMacro\stepcounter{@authorsCount}\fi

```

```

119 \hskip 1em \@plus.17fil%
120 \begin{tabular}[t]{c}}% % \end{tabular}
121
122 \def\@institution@nooverride{\relax}
123 \def\@institution@nostar#1{%
124   \global\@inst@definedtrue%
125   \if\@institution@nooverride\relax%
126     \relax%
127   \else%
128     \@latex@warning@no@line{%
129       Command \noexpand\institution overriding a previous \noexpand\institution* command}%
130   \fi%
131   \gdef\@institution{#1}}
132 \def\@institution@star#1{%
133   \global\@inst@definedtrue%
134   \ifcsname @institution\endcsname{%
135     \@latex@warning@no@line{%
136       Command \noexpand\institution* overridden by a previous \noexpand\institution command}%
137   } \fi
138   \gdef\@institution@nooverride{#1}}
139 \def\institution{\@ifstar\@institution@star\@institution@nostar}
140
141 \def\thanks#1{\footnotemark
142   \protected@xdef\@thanks{\@thanks
143     \protect\footnotetext[\the\c@footnote]{%
144       \ifBlind Acknowledgments hidden for double-blind review.\else#1\fi}}%
145 }
146
147 \def\@maketitle{%
148   \newpage
149   % \null
150   % \vskip 2em%
151   \begin{center}%
152     \let \footnote \thanks
153     {\LARGE \@title \par}%
154     \vskip 1.5em%
155     \ifBlind
156       \framebox{\parbox{5in}{\centering ~\!\!~[1.5em]%
157         \em Authors' names and affiliations hidden for double-blind review.\!\!~[0.75em]~}}
158     \else
159       {\Large
160         \lineskip .5em%
161         \begin{tabular}[t]{c}%
162           % \In@AuthorMacrotrue\@author\In@AuthorMacrofalse
163           \@author
164           \end{tabular}\par}%
165       \ifcsname @institution\endcsname{\large
166         \lineskip .5em%
167         \begin{tabular}[t]{c}%
168           \@institution
169           \end{tabular}\par}\else
170       \if\@institution@nooverride\relax{\relax}\else{\large
171         \lineskip .5em%
172         \begin{tabular}[t]{c}%
173           \@institution@nooverride
174           \end{tabular}\par}\fi\fi%
175     \fi
176     \ifDraft\vskip 1em%
177     {\large \emph{Draft compiled on \@date}}\fi%
178   \end{center}%

```

```

179 \par
180 \vskip 0.5em%
181 \if@inst@defined\relax\else\@latex@warning@no@line{%
182     No institution given; use \noexpand\inst, \noexpand\institution, or \noexpand\institution*.\}\fi%
183 }
184
185 \AtBeginDocument{%
186 \maketitle\thispagestyle{plain}%
187 }
188
189 %% Blinding
190 \newcommand{\altblind}[2]{\ifBlind #2\else #1\fi}

```