The ejpecp class*†

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1 Introduction

The ejpecp \LaTeX 2ε class is designed for the typesetting of articles for the mathematical research periodicals Electronic Journal or Probability (EJP) and Electronic Communications in Probability (ECP).

2 Usage

This class works only with the pdflatex engine. See the sample file for its usage.

3 Implementation

```
1 %% We declare and handle our class options
2 \DeclareOption{EJP}{%
    \newcommand{\@EJP}{}
    \newcommand{\@JOURNAL}{EJP}
 4
    \newcommand{\@JOURNALA}{Electron. J. Probab.}
    \newcommand{\@JOURNALL}{Electronic Journal of Probability}
6
    \label{lossn} $$\operatorname{lossn}_{1083-6489}$
7
    \newcommand{\@URL}{www.imstat.org/ejp}
8
9
    \newcommand{\@FULLURL}{https://imstat.org/journals-and-publications/electronic-journal-of-probability/}
10
11 \DeclareOption{ECP}{%
    \newcommand{\@ECP}{}
    \newcommand{\@JOURNAL}{ECP}
13
    \newcommand{\@JOURNALA}{Electron. Commun. Probab.}
14
    \newcommand{\@JOURNALL}{Electronic Communications in Probability}
15
    \label{lossn} $$\operatorname{lossn}_{1083-589X}$
16
    \newcommand{\@URL}{www.imstat.org/ecp}
17
    \newcommand{\@FULLURL}{https://imstat.org/journals-and-publications/electronic-communications-
18
  in-probability/}
19
20 \DeclareOption{NOAMS}{% prevents the load of AMS packages
    \newcommand{\@NOAMS}{}
22
    }
23 \DeclareOption{NODS}{% asks to avoid renaming \mathbb into \mathds
24
    \newcommand{\@NODS}{}
25
26 \DeclareOption{PSTRICKS}{% pstricks and pspicture.
    \% File must be compiled with "latex --shell-escape", then use dvipdf
27
    \newcommand{\@PSTRICKS}{}
28
30 \DeclareOption{draft}{%
    \PassOptionsToClass{draft}{article}
    }
33 \DeclareOption{final}{%
```

^{*}class for EJP and ECP journals v1.11.3 dated 2021/11/04.

[†]Current maintainer of class file is VTeX, Lithuania. Please send all queries to latex-support@vtex.lt.

```
\PassOptionsToClass{final}{article}
36 \newif\if@ejpecp@preprint \@ejpecp@preprintfalse
37 \DeclareOption{preprint}{\@ejpecp@preprinttrue}
38 \newif\if@ejpecp@nofontexpansion \@ejpecp@nofontexpansionfalse
39 \DeclareOption{nofontexpansion}{\@ejpecp@nofontexpansiontrue}
40 \newif\if@ejpecp@nobera \@ejpecp@noberafalse
41 \DeclareOption{nobera}{\@ejpecp@noberatrue}
42 \DeclareOption*{%
43 \PackageWarning{ejpecp}{Unknown option '\CurrentOption'}%
44 }
45 %\ExecuteOptions{EJP}
46 \ProcessOptions\relax
47 %% We use the standard article class
48 \LoadClass[a4paper,10pt,twoside]{article}
49 %% Packages and their options
50 \RequirePackage{graphicx}
51 \ifx\@PSTRICKS\undefined
52 \DeclareGraphicsExtensions{.pdf,.PDF,.eps,.EPS,.png,.PNG,.jpg,.JPG,.jpeg,.JPEG}
       \RequirePackage[pdf]{pstricks}
        \RequirePackage{auto-pst-pdf}
56 \fi
57 \RequirePackage{mathtools}
58 \RequirePackage{microtype}
59 \if@ejpecp@nofontexpansion
             \microtypesetup{expansion=false}
60
61 \fi
62 \RequirePackage{latexsym}
63 \ifx\ONODS\undefined
64 \RequirePackage{dsfont}
65 \fi
66 \ifx\@NOAMS\undefined
67 \RequirePackage{amsmath,amsfonts,amssymb,amsthm}
68 \fi
69 \RequirePackage{geometry}
70 \ensuremath{\mbox{\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$
71 \if@ejpecp@nobera
72 \else
             \RequirePackage{bera} % beware that the logo is sensitive to default font change
73
74 \fi
75 \RequirePackage{hyperref}
76 \hypersetup{
77 pagebackref=false,
        pdfborder={0 0 0},
        pdfstartview={FitH},
80 hypertexnames=false,
81 breaklinks,
82 }
83 \def\UrlFont{}
84 %%% Macros et Environments
85 %% General macros
86 \newcommand{\@TITLE}{FIXME!}
87 \newcommand{\@SHORTTITLE}{FIXME!}
88 \newcommand{\@KEYWORDS}{FIXME!}
89 \newcommand{\@AMSSUBJ}{FIXME!}
90 \newcommand{\@ABSTRACT}{FIXME!}
91 \newcommand{\@VOLUME}{0}
92 \newcommand{\@PAPERNUM}{0}
93 \mbox{ } \mbox{0YEAR}{2012}
94 \newcommand{\@PAGESTART}{1}
95 \newcommand{\@PAGEEND}{\@ifundefined{ejpecp@lastpage}{\@PAGESTART}{\ejpecp@lastpage}}
96 \newcommand{\@SUBMITTED}{FIXME!}
```

```
97 \newcommand{\@ACCEPTED}{FIXME!}
98 \newcommand{\TITLE}[1]{\renewcommand{\@TITLE}{#1}}
99 \newcommand{\SHORTTITLE}[1]{\renewcommand{\@SHORTTITLE}{#1}}
100 \newcommand{\DEDICATORY}[1]{\gdef\@DEDICATORY{#1}}
101 \newcommand{\AUTHORS}[1]{\author{#1}}
102 \let\FIRSTNAMES\@firstofone
103 \let\SURNAME\@firstofone
104 \newcommand{\KEYWORDS}[1]{\renewcommand{\QKEYWORDS}{#1}}
105 \newcommand{\AMSSUBJ}[1]{\renewcommand{\QAMSSUBJ}{#1}}
106 \newcommand{\AMSSUBJSECONDARY}[1]{\gdef\@AMSSUBJSECONDARY{#1}}
107 \newcommand{\ABSTRACT}[1]{\renewcommand{\@ABSTRACT}{#1}}
108 \newcommand{\VOLUME}[1]{\renewcommand{\@VOLUME}{#1}}
109 \newcommand{\PAPERNUM}[1]{\renewcommand{\@PAPERNUM}{#1}}
110 \newcommand{\YEAR}[1]{\renewcommand{\QYEAR}{\#1}}
111 \newcommand{\PAGESTART}[1]{\renewcommand{\@PAGESTART}{#1}}
112 \newcommand{\PAGEEND}[1]{%
       \let\write@ejpecp@lastpage\relax
113
       \renewcommand{\@PAGEEND}{#1}%
114
115
116 \newcommand{\SUBMITTED}[1]{\renewcommand{\@SUBMITTED}{#1}}
117 \newcommand{\ACCEPTED}[1]{\renewcommand{\@ACCEPTED}{#1}}
118 \newcommand{\DOI}[1]{\gdef\@DOI{#1}}
119 \newcommand{\ARXIVID}[1]{\gdef\@ARXIVID{#1}}
120 \newcommand{\HALID}[1]{\gdef\@HALID{#1}}
121 \newcommand{\ACKNO}[1]{\noindent\textbf{Acknowledgments.} #1}
122 \def\acknowledgementsname{Acknowledgments}
123 \newenvironment{acks}[1][\acknowledgementsname]{\noindent\textbf{#1.}\space\ignorespaces}{\par}
124 \def\EMAIL#1{E-mail:~\texttt{\href{mailto:#1}{\nolinkurl{#1}}}}
125 \newcommand{\BEMAIL}[1]{\newline\hspace*{1.8em}\EMAIL{#1}} % useful in ftnotes
127 \newcommand{\@EJPLOGO}{% designed by KB.
     % This version is for bera 10pt (depends on the font via "em" and "ex")
     \centerline{%
129
       \hbox{%
130
         \vrule height -0.4 pt depth 0.8 pt width 27.7 em\space
131
         \kern -27.8 em\space
132
         \raise 0.03ex \hbox {\bf E}\space
133
         \raise 0.06ex \hbox {1}\space
134
         \raise .13ex \hbox {e}\space
135
         \raise .24ex \hbox {c}\space
136
         \raise
                .45ex \hbox {t}\space
137
138
                 .78ex \hbox {r}\space
139
         \raise 1.31ex \hbox {o}\space
         \raise 2.08ex \hbox {n}\space
140
         \raise 3.14ex \hbox {i}\space
141
         \raise 4.53ex \hbox {c}\space
142
143
         \kern
                 1em\space
         \raise 8.15ex \hbox {\bf J}\space
144
         \raise 10.15ex \hbox {o}\space
145
         \raise 12.04ex \hbox {u}\space
146
         \raise 13.60ex \hbox {r}\space
147
         \raise 14.64ex \hbox {n}\space
148
         \kern .3 em\space
149
         \vrule depth 0.8pt height 14.5ex \space
150
151
         \kern -.3em\space
152
         \raise 15ex \hbox {a}\space
153
         \raise 14.64ex \hbox {1}\space
154
         \kern
                  1em\space
         \raise 12.04ex \hbox {o}\space
155
         \raise 10.15ex \hbox {f}\space
156
                  1em\space
157
         \kern
         \raise 6.23ex \hbox {\bf P}\space
158
         \raise 4.53ex \hbox {r}\space
```

```
160
         \raise 3.14ex \hbox {o}\space
161
         \raise 2.08ex \hbox {b}\space
         \raise 1.31ex \hbox {a}\space
162
         \raise .78ex \hbox {b}\space
163
         \raise .45ex \hbox {i}\space
164
         \raise .24ex \hbox {1}\space
165
         \raise .13ex \hbox {i}\space
166
         \raise .06ex \hbox {t}\space
167
         \raise .03ex \hbox {y}%
168
169
         }%
       }%
170
     }%EJPLOGO
171
   \newcommand{\@ECPLOGO}{% designed when Ren\'e Carmona was in charge of ECP
     173
         \textbf{ ELECTRONIC}\\
174
         \textbf{ COMMUNICATIONS}\\
175
         \textbf{ in PROBABILITY}\\
176
         \rule[.08in]{1.3in}{1.6pt}}}%
177
     }%ECPLOGO
178
179 \def\@doiprefix{https://doi.org/}
180 \def\printdoi{\texttt{\href{\@doiprefix\@DOI}{\@doiprefix\@DOI}}}
181 \def\msc@url{https://ams.org/mathscinet/msc/msc2020.html}
182 %% for multiple thanks/support in title
183 \def\title@makefnmark{%
       \setbox\@tempboxa\hbox{\@textsuperscript{\normalfont\@thefnmark}}%
184
       \@ifundefined{prev@makefnmark@wd}%
185
           {\edef\prev@makefnmark@wd{0pt}}%
186
187
           {\edef\prev@makefnmark@wd{\the\dimexpr\prev@makefnmark@wd+\wd\@tempboxa\relax}}%
188
       \rlap{\hskip\prev@makefnmark@wd\unhbox\@tempboxa}%
189
190 \def\title@thanks#1{\unskip\unkern\orig@thanks{#1}\ignorespaces}%
191 %% make title long
192 \renewcommand\title[1]{\gdef\@title{#1}}
193 %% Macro handling the first page
194 \def\papernum@name{no.}
195 \newcommand{\FIRSTPAGE}{%
     \setcounter{page}{\@PAGESTART}%
196
     \title{\small
197
       \let\orig@thanks\thanks
198
       \ifx\@EJP\undefined\else
199
200
         \if@ejpecp@preprint
201
           \phantom{\@EJPLOGO}\par
         \else
202
203
           \@EJPLOGO
         \fi
204
205
         \bigskip
206
         \if@ejpecp@preprint
           \null\null
207
208
         \else
           \centerline{\@JOURNALA\ \textbf{\@VOLUME} (\@YEAR),\
209
             \papernum@name\ \@PAPERNUM, \,\@PAGESTART--\@PAGEEND.}%
210
           \centerline{ISSN:\ \texttt{\href{\@FULLURL}{\@ISSN}} %
211
             \ifx\@DOI\undefined\else
212
               \ \printdoi
213
214
             fi}%
215
         \fi
216
         \bigskip
217
         \bigskip
218
         \bgroup
           \@ifundefined{no@title@thanks@support}{%
219
               \let\thanks\title@thanks
220
               \let\@makefnmark\title@makefnmark
221
               \let\support\thanks
```

```
223
              }{}%
224
            \Large\bfseries\@TITLE\par
225
         \egroup
       \fi
226
       \ifx\@ECP\undefined
227
       \else
228
          \parbox[t]{9cm}{%
229
230
            \if@ejpecp@preprint
231
            \else
              \@JOURNALA\ \textbf{\@VOLUME} (\@YEAR),
232
233
              \papernum@name\ \@PAPERNUM, \@PAGESTART--\@PAGEEND.\\
              \ifx\@DOI\undefined
234
235
              \else
                \ \printdoi
236
              \fi \\
237
              ISSN:\ \texttt{\href{\@FULLURL}{\@ISSN}}%
238
239
           }%
240
          \hfill
241
          \if@ejpecp@preprint
242
243
            \phantom{\@ECPLOGO}%
244
          \else
            \@ECPLOGO
245
          fi\
246
          \bigskip
247
         \bigskip
248
         \bgroup
249
250
            \@ifundefined{no@title@thanks@support}{%
                \let\thanks\title@thanks
251
                \let\@makefnmark\title@makefnmark
252
                \let\support\thanks
253
              }{}%
254
255
            \Large\@TITLE\par
256
          \egroup
       \fi
257
       }% end title
258
     \del{date}
259
       \ifx\@DEDICATORY\undefined
260
       \else
261
262
          \noindent
263
          \emph{\small\sffamily\@DEDICATORY}%
264
265
     \maketitle\thispagestyle{empty}%
266
     \begin{abstract}%
       \noindent
267
       \@ABSTRACT\par\vskip 1em\relax
268
269
       {\footnotesize
          \noindent\textbf{Keywords: }\@KEYWORDS.\par
270
          \noindent\href\msc@url{\textbf{MSC2020 subject classifications: }}%
271
          \ifx\@AMSSUBJSECONDARY\undefined
272
            \noindent
273
            \@AMSSUBJ.\par
274
          \else
275
276
            \noindent
            Primary \@AMSSUBJ, Secondary \@AMSSUBJSECONDARY.\par
277
278
          \if@ejpecp@preprint
279
            \mbox{}\par
280
          \else
281
            \noindent
282
            Submitted to \@JOURNAL\ on \@SUBMITTED,
283
            final version accepted on \@ACCEPTED.\par
284
          \fi
```

```
\ifx\@ARXIVID\undefined
286
287
                    \else
288
                        \noindent
289
                       Supersedes
                        \texttt{\href{https://arXiv.org/abs/\@ARXIVID}{arXiv:\@ARXIVID}}.%
290
291
                   \fi\par
                   \ifx\@HALID\undefined
292
293
                   \else
294
                        \noindent
295
                        Supersedes
                        \texttt{\href{https://hal.archives-ouvertes.fr/\@HALID}{HAL:\@HALID}}.%
296
297
                   \fi\par
298
               }%footnotesize
           \end{abstract}
299
300
          \smallskip
301
302
          }%END-FIRSTPAGE
303
304 %% Macro setting the PDF title
305 \newcommand{\PDFFIELDS}{%
          \if@ejpecp@preprint
307
           \else
308
               \hypersetup{%
                   pdftitle={\@JOURNALA\ \@VOLUME\ (\@YEAR), \papernum@name\ \@PAPERNUM, \@doiprefix\@DOI}}%
309
               \hypersetup{pdfproducer={\@JOURNAL\ Managing Editor https://\@URL}}%
310
               \hypersetup{pdfauthor={Please see \@doiprefix\@DOI}}%
311
           \fi
312
           \hypersetup{pdfkeywords={\@KEYWORDS}}%
313
           \hypersetup{pdfcreator={LaTeX with ejpecp.cls \@nameuse{ver@ejpecp.cls}}}%
314
           \hypersetup{pdfsubject={Probability Theory}}%
315
          }%END-PDFFIELDS
316
317
318 %% Supplement
319 \def\supplement@name{Supplementary Material}
320 \left( \frac{1}{1} \right)
321 \ensuremath{\mbox{def}\mbox{title@fmt#1{\textbf{#1.}}} }
322 \end{area} $$322 
323 \def\suppsection@fmt{\section*{\supplement@name}}
324 \long\def\supplement{\@ifnextchar[{\@supplement}{\@supplement[]}}
325 \long\def\@supplement[#1]{%
326
                \suppsection@fmt
327
                \global\let\suppsection@fmt\smallskip
328
329 \def\endsupplement{%
               \@ifundefined{@stitle}%
330
                        {}%
331
                        {\stitle@fmt{\@stitle}}%
332
               %
333
               \@ifundefined{@sdescription}{}{\@sdescription}%
334
335
               \par
336
337
338 %% Bibliography
339 \def\@MRExtract#1 #2!{#1}
                                                                      % thanks, Martin!
340 \newcommand{\MR}[1]{\% we need to strip the "(...)"
341
           \xdef\@MRSTRIP{\@MRExtract#1 !}%
          \label{lem:mr=QMRSTRIP} $$ \operatorname{lem:mr=QMRSTRIP}_{MR\QMRSTRIP}$$
343 \newcommand{\ARXIV}[1]{\href{https://arXiv.org/abs/#1}{arXiv:#1}}
344 \ensuremath{\verb| def \| bibliography@size{\small}|}
345 \renewenvironment{thebibliography}[1]
346
          ₹%
               \section*{\refname
347
                    \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
```

```
349
       \phantomsection
350
       \addcontentsline{toc}{section}{\refname}%
351
       \list{\@biblabel{\@arabic\c@enumiv}}%
       {\t }\
352
353
         \bibliography@size
         \setlength{\labelsep}{0.4em}%
354
         \setlength{\leftmargin}{\labelwidth}%
355
         \addtolength{\leftmargin}{\labelsep}%
356
357
         \setlength{\itemsep}{-.25em}%
         \@openbib@code
358
         \usecounter{enumiv}%
359
360
         \let\p@enumiv\@empty
         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
361
       \sloppy\clubpenalty4000\@clubpenalty\clubpenalty\widowpenalty4000%
362
       \sfcode`\.\@m
363
364
     }{%
       \def\@noitemerr{%
365
         \@latex@warning{Empty `thebibliography' environment}}%
366
367
       \endlist
368
369 %% Theorem styles
370 \ifx\@NOAMS\undefined
     \newtheoremstyle{ejpecpbodyit}% name % cf. thmtest.tex of AMSLaTeX
371
                                    % Space above
372
         {3pt}
         {3pt}
                                    % Space below
373
                                    % Body font
         {\itshape}
374
         {}
                                    % Indent amount (empty = no indent,
375
376
                                    %
                                              \parindent = para indent)
377
         {\bfseries\sffamily}
                                    % Thm head font
378
         {.}
                                    % Punctuation after thm head
         { }
                                    % Space after thm head: " " = normal interword space;
379
                                                             \newline = linebreak
380
                                    % Thm head spec (can be left empty, meaning `normal')
381
         \newtheoremstyle{ejpecpbodyrm}% name % cf. thmtest.tex of AMSLaTeX
382
         {3pt}
                                    % Space above
383
                                    % Space below
         {3pt}
384
                                    % Body font
         {}
385
         {}
                                    % Indent amount (empty = no indent,
386
                                              \parindent = para indent)
                                    %
387
         {\bfseries\sffamily}
                                    % Thm head font
388
389
         {.}
                                    % Punctuation after thm head
390
         { }
                                    % Space after thm head: " " = normal interword space;
391
                                                             \newline = linebreak
392
         {}
                                    % Thm head spec (can be left empty, meaning `normal')
393 \fi
394 %%
395 \ifx\ONOAMS\undefined
     \theoremstyle{ejpecpbodyit}
398 \newtheorem{theorem}{Theorem}[section]
399 \newtheorem{assumptions}[theorem]{Assumptions}
400 \newtheorem{assumption}[theorem]{Assumption}
401 \newtheorem{claim}[theorem]{Claim}
402 \newtheorem{condition}[theorem]{Condition}
403 \newtheorem{conjecture}[theorem]{Conjecture}
404 \newtheorem{corollary}[theorem]{Corollary}
405 \newtheorem{definitions} [theorem] {Definitions}
406 \newtheorem{definition}[theorem]{Definition}
407 \newtheorem{facts}[theorem]{Facts}
408 \newtheorem{fact}[theorem]{Fact}
409 \newtheorem{heuristics}[theorem]{Heuristics}
410 \newtheorem{hypothesis} [theorem] {Hypothesis}
411 \newtheorem{hypotheses} [theorem] {Hypotheses}
```

```
412 \newtheorem{lemma}[theorem]{Lemma}
413 \neq 13 
414 \newtheorem{notation} [theorem] {Notation}
415 \newtheorem{proposition} [theorem] {Proposition}
416 \ifx\ONOAMS\undefined
          \theoremstyle{ejpecpbodyrm}
418 \fi
419 \newtheorem{example} [theorem] {Example}
420 \newtheorem{exercise}[theorem]{Exercise}
421 \newtheorem{problem} [theorem] {Problem}
422 \newtheorem{question}[theorem]{Question}
423 \newtheorem{remark}[theorem]{Remark}
424 %% Numbering
425 \ifx\ONOAMS\undefined
          \numberwithin{equation}{section}
426
427 \fi
428 %% Itemize and enumerate for bera
429 \end{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\
430 \let\OLD@itemize\itemize
431 \renewcommand\itemize{\OLD@itemize\@reduceitemsep}
432 \let\OLD@enumerate\enumerate
433 \renewcommand\enumerate{\OLD@enumerate\@reduceitemsep}
434 %% Replace \mathbb by \mathds except if we require the contrary
435 \ifx\ONODS\undefined
          \let\realmathbb=\mathbb
436
          \let\mathbb=\mathds
437
438 \fi
439 %% Headings
440 \def\write@ejpecp@lastpage{\immediate\write\@auxout{\string\xdef\string\ejpecp@lastpage{\the\c@page}}}
441 \newcommand{\CHBLOB}{\%}
          \href{\@doiprefix\@D0I}%
442
              {\@JOURNAL\ \textbf{\@VOLUME}\, (\@YEAR),\ paper \@PAPERNUM.}}
444 \renewcommand{\@evenfoot}{%
          \normalfont\footnotesize\if@ejpecp@preprint\mbox{}\else\@HBLOB\fi\hfil
445
446
          \small
          \write@ejpecp@lastpage
447
          448
          \footnotesize\if@ejpecp@preprint\mbox{}\else\href{\@FULLURL}{https://\@URL}\fi}
450 \renewcommand{\@oddfoot}{\@evenfoot}
451 \renewcommand{\@evenhead}{\hfil\@SHORTTITLE\hfil}
452 \renewcommand{\@oddhead}{\@evenhead}
453 %% smaller sections titles
454 \renewcommand{\section}{%
455
          \@startsection
456
                  {section}
                  {1}
457
458
                  {Oem}
                  {\baselineskip}
459
                  {0.5\baselineskip}
460
                  {\normalfont\large\bfseries}}
461
      \renewcommand{\subsection}{%
462
          \@startsection
463
                  {subsection}
464
                  {2}
465
466
                  {Oem}
467
                  {\baselineskip}
468
                  {0.25\baselineskip}
                  {\normalfont\bfseries}}
470 \RequirePackage{afterpackage}
471 \AfterPackage{natbib}
472 {%
           \def\bibcleanup{\vskip-\lastskip\vskip10\p0}%
473
          \renewcommand{\bibfont}{\small}%
```

```
\newlength{\standard@parsep}%
476
                \newlength{\standard@itemsep}%
                \setlength{\standard@parsep}{4.0pt plus 2.0pt minus 1.0pt}%
477
                \setlength{\standard@itemsep}{-2.02498pt}%
478
                \setlength{\bibsep}{\standard@parsep}%
479
                \addtolength{\bibsep}{\standard@itemsep}%
480
                \renewcommand\NAT@bibsetnum[1]%
481
482
                {%
                      \settowidth\labelwidth{\@biblabel{#1}}%
483
                      \setlength{\leftmargin}{\labelwidth}\addtolength{\leftmargin}{\labelsep}%
484
                      \setlength{\labelsep}{3pt}%
485
                      \label{lemsep}{\bf \bibsep}\setlength{\bf \parsep}{\tt \z0}\%
486
                      \ifNAT@openbib
487
                      \verb|\addtolength{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\leftmargin}{\
488
                      \setlength{\itemindent}{-\bibindent}%
489
                      \setlength{\listparindent}{\itemindent}%
490
                      \setlength{\parsep}{0pt}%
491
                      \fi
492
               }%
493
494 }%
495 \left( \frac{\&}{%} \right)
496 \InputIfFileExists{ejpecp.cfg}
497
                      {\def\papernum@name{article no.}}
498
499 %% Macros
500 \AtBeginDocument{\FIRSTPAGE\PDFFIELDS}
501 \AtEndDocument{\vfill}
502 \endinput
503 %%
504 % End of file `ejpecp.cls'.
505 %% Macros
506 \AtBeginDocument{\FIRSTPAGE\PDFFIELDS}
507 \AtEndDocument{\vfill}
```

Change History

v0.5		v1.11.2	
General: Initial version	1	General: nobera and nofontexpansion options	
v0.57		added	1
General: Improvements, see the README file.	1	v1.11.3	
v0.577		General: removed dash in MR	1
General: Improvements, see the README file.	1	v1.2	
v0.5772		General: Transition to	
General: Improvements, see the README file.	1	EJMS/VTEX/ProjectEuclid	1
v0.57721		v1.3	
General: Improvements, see the README file.	1	General: Updated journal URLs and DOI	
v0.577215		output format	1
General: Improvements, see the README file.	1	,	
v1.0		General: Abstract baselineskip correction	1
General: First stable version, see the README		v1.5	
file	1	General: false configuration for hyperref	_
v1.1		package	1
General: Corrected stable version, see the		v1.6	
README file	1	General: full url doi, package maintaining and	-1
v1.10.0	1	shorttitle info	1
General: acks and support	1		
v1.11.0		General: merged with production version:	
General: preprint option	1	fixltx2e removed, natbib setup with	1
v1.11.1		afterpackage, etc	1
General: removed dependency on lastpage	1	v1.8.2	1
package	1	General: no. prefix updated and msc2020	1

v1.8.3	v1.9.0	
General: Undate HRLs	1 General: Supplement environment	7

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