# The tma Package\*

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## Abstract

The tma package provides macros and environments to assist in writing Tutor Marked Assessments (TMAs) for Open University courses.

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<sup>\*</sup>This document corresponds to  $\mathsf{tma}$  v1.19, dated 2025-02-18.

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name pin	course TMA-tma	Page 2 of 18
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## 1 Introduction

The tma package simplifies the creation of TMAs by providing an environment to encompass answers to questions commands to enumerate parts and subparts of those questions, and a set of macros facilitating mathematical entry based on the styles used by the Open University.

# 2 Compiling and installing tma

To compile the tma package:

```
Enter \Rightarrow pdflatex tma.ins
```

To compile the tma documentation:

The file tma.sty should be placed in an appropriate location within the TeX directory structure. For example in a directory such as tex/latex/tma.

# 3 Usage

To use the tma package, in its most basic form, it should be included in the preamble of your LATEX document:

```
\documentclass[a4paper,11pt]{article}
\usepackage{tma}
:
\begin{document}
:
\end{document}
```

## 3.1 Options

pdfbookmark(Opt)

legacy(Opt)

A number of options are available to modify the results of using the tma package. These should be included within the \usepackage declaration:

```
\usepackage[\langle option, ... \rangle] tma
```

The following options are available:

• [alph] (default) question numbering as 1(b)(iii);

roman (Opt) • [roman] varies question numbering to sequence used by M381 i.e. 1(ii)(c);

• [cleveref] question numbering creates automatic referencing for use with cleveref package;

• [pdfbookmark] add PDF bookmarks for each question using hyperref package; and

• [legacy] enables old definitions of \vec and \C for backward compatibility.

## 3.2 Macros and environments

The tma package provides several valuable macros and environments, most documented here.

#### 3.2.1 Document level commands

The document-level commands are intended for use within the document's preamble. They generally affect what appears on the title page and the headers/footers.

The most essential part of an assignment is to identify who it has been written by and what it has been written for. To this end, the \myname macro is used to specify your name: this should be your name as recorded with the University. As names are not unique, the Open University allocates a Personal Identification Number (or PIN) as a unique identifier for each student; this

\mypin

should be declared with the \mypin macro. It is formed by a letter, followed by seven digits—or six digits and a letter X. Once the personal identification has been done, the module being worked needs to be declared, the course code of your module should be given with the \mycourse macro and the number of the assignment using the \mytma macro. Note that this is just the assignment number; there is no need to include the characters TMA. The final document level command is used if you wish to set a specific date that will be displayed on the compiled document title page; you may use \setdate. This will override the default of using the compile date.

\setdate

\mycourse

\mytma

## Example:

```
% \myname{Anthony Neil Other}
% \mypin{A1234567}
% \mycourse{M101} % The original Maths introduction module
% \mytma{02} % TMA02
% \setdate{March 2025}
%
```

#### 3.2.2 Question environment commands

These commands are the ones that, though few, comprise the bulk of the body of the TMA answer content of a paper.

question (env.)

Within a TMA, each question should be answered in a question environment. The question number is automatically incremented unless one is specified in the optional parameter. Since the question is presented as an environment, it is convenient to place each question in a separate file to be included in the main paper.

\qpart []

Often questions are comprised of multiple parts, therefore, \quad qpart indicates the start of a question part. It will set the part identifier within the left-hand margin space. Normally, the parts are lettered as a, b, c...unless the option roman has been given to the tma package when the parts are numbered as i, ii, iii... As with the actual questions, this is an auto-incrementing value unless an optional value is given. Note that the value should be numerical even if the parts are lettered or in Roman numerals. Each new question restarts the numbering at 1, which will be rendered as a or i as dictated by the options in effect.

\qsubpart []

There are occasions that the parts of questions may be further divided into subparts; these may be declared using the \quad qsubpart macro. As with \quad qpart, this is set in the left margin and automatically incremented: an option to choose the sub-part number is also available. If a \quad qsubpart immediately follows a \quad \quad pqart, both marginal markers will be set on the same line.

Note that question is an environment to be used with the \begin...\end structure, \quad \quad \quad \text{subpart} are both macros that lay down titles in the margin and are designed to be used on a line on their own.

Example:

## 3.2.3 Mathematical symbology

Various mathematical symbols and elements are defined for convenience, working from the normal suggested formats used within Open University courses.

These commands are created in such a manner that they will work correctly in both text and maths modes.

Differential operators The general advise for most OU modules is to use an upright letter 'd' when specifying differential variables, thus \dd is provided to allow simple accommodation of this. Similarly, Euler's number and the imaginary unit representation of  $\sqrt{-1}$  are both usually given upright letters of 'e', (\e), and 'i', (\ii), respectively.

\ii

## Example 1: Differential

Code:

```
In display mode, compare \dd\ with $d$: \[ \frac{\dd^2 y}{\dd x^2} + x\frac{\dd y}{\dd x} + y = 2\sin(x)\\ and in line mode e^{\pi x} = \cos(x) + \pi(x)
```

Result:

In display mode, compare d with d:

$$\frac{\mathrm{d}^2 y}{\mathrm{d}x^2} + x \frac{\mathrm{d}y}{\mathrm{d}x} + y = 2\sin(x)$$

and in line mode  $e^{ix} = \cos(x) + i\sin(x)$ 

**Number sets** Standard 'black-board' fonts are used to indicate a number of frequently designated groups of numbers.

\N represents all natural numbers;

\Z \Z represents all integers;

\Q represents all rational numbers;

\R \R represents all real numbers; and

\Complex \Complex represents all complex numbers.

## Example 2: Number sets

Code:

```
The relationship between number sets:

\begin{itemize}
\item \N\ (Natural numbers) $\subseteq \Z$ (Integers);

every natural number is also an integer.

\item \Z\ (Integers) $\subseteq \Q$ (Rational numbers);

every integer is also a rational number.

\item \Q\ (Rational numbers) $\subseteq \R$ (Real numbers); every rational number is also a real number.

\item \Complex\ (Complex numbers) $\supseteq \R$ (Real number); complex numbers include real numbers as a subset, since they can be represented by $a+\it b$ where $a$ and $b$ are real numbers.

\end{itemize}
```

Result:

The relationship between number sets:

- $\mathbb{N}$  (Natural numbers)  $\subseteq \mathbb{Z}$  (Integers); every natural number is also an integer.
- $\mathbb{Z}$  (Integers)  $\subseteq \mathbb{Q}$  (Rational numbers); every integer is also a rational number.
- $\mathbb{Q}$  (Rational numbers)  $\subseteq \mathbb{R}$  (Real numbers); every rational number is also a real number.
- $\mathbb{C}$  (Complex numbers)  $\supseteq \mathbb{R}$  (Real number); complex numbers include real numbers as a subset, since they can be represented by a + ib where a and b are real numbers.

\vect

**Vector notation** Two different vector representations are typically used on OU modules, there is the two, or more, letter with an over arrow version given with \vect; and the emboldened upright letter version \ve—the latter is commonly handwritten as an underlined letter.

## Example 3: Vectors

Code:

```
Given a point $A$ at the co-ordinate $(6, 3)$ and a point $B$ at the co-ordinate $(-4, 8)$, the vector $\vect{AB}$ has a gradient of \frac{8-3}{-4-6} = \frac{5}{-10} = -\frac{1}{2}
The standard unit vectors are \sqrt{i} and \sqrt{i}. They are usually at right angles to each other.
```

Result:

Given a point A at the co-ordinate (6,3) and a point B at the co-ordinate (-4,8), the vector  $\overrightarrow{AB}$  has a gradient of  $\frac{8-3}{-4-6} = \frac{5}{-10} = -\frac{1}{2}$  The standard unit vectors are  $\mathbf{i}$  and  $\mathbf{j}$ . They are usually at right angles to each other.

Superscript texts

Additional symbols

Combinatoral notations

Mathematical operators

**Derivatives** 

## 4 Implementation

```
1 %% tma.sty
2 %% Copyright 2025 G. I. Riley <geoffr@adaso.com>
4% This work may be distributed and/or modified under the
5 % conditions of the LaTeX Project Public License, either version 1.3
6% of this license or (at your option) any later version.
7\% The latest version of this license is in
     http://www.latex-project.org/lppl.txt
9\,\% and version 1.3 or later is part of all distributions of LaTeX
10\% version 2005-12-01 or later.
12 % This work has the LPPL maintenance status 'maintained.'
13 %
14 % The Current Maintainer of this work is Geoff Riley.
15 %
16 %% This package may be freely used, especially by, but not limited to, stude
17 %% lecturers and staff of the Open University. It was created by the
18 %% efforts of many who are now or have been connected with the Open University
19 %% Students Association. No acknowledgement is _required_ for using this page
20 \%\% within the production of a _Tutor Marked Assessment._
```

Adapted by Peter McFarlane from various sources. All errors of style or content are mine or subsequent contributors. Acknowledgements to Bob Margolis and Rob Lynas (from whom some macros are plagiarised). Further contributions from Steve Mayer and Tim Dale. Annotations, in part, and further modification by Geoff Riley.

## Package Options

- [alph] (default) question numbering as 1(b)(iii)
- [roman] varies question numbering to sequence used by M381 i.e. 1(ii)(c)
- [cleveref] question numbering creates automatic referencing for use with cleveref package
- [pdfbookmark] add PDF bookmarks for each question using hyperref package

• [legacy] enables old definitions of \vec and \C for backward compatibility

To use a package option, place the option(s) before the package name: \usepackage[roman,cleveref]{tma}

21 \RequirePackage{expl3} % LaTeX3 "experimental"

## 4.1 Package Initialisation

```
23 %% Package Initialization
25 \ExplSyntaxOn
26 \tl_new:N \g_tma_constant_name
27 \tl_new:N \g_tma_constant_tma
28 \tl_new:N \g_tma_constant_course
29 \tl_new:N \g_tma_constant_pin
30 \tl_new:N \g_tma_constant_thedate
32 \tl_gset:Nn \g_tma_constant_name {name}
33 \tl_gset:Nn \g_tma_constant_tma {tma}
34 \tl_gset:Nn \g_tma_constant_course {course}
35 \tl_gset:Nn \g_tma_constant_pin {pin}
36 \tl_gset:Nn \g_tma_constant_thedate {the~date}
38 \newcommand{\name}{\g_tma_constant_name}
39 \newcommand{\tma}{\g_tma_constant_tma}
40 \newcommand{\course}{\g_tma_constant_course}
41 \newcommand{\pin}{\g_tma_constant_pin}
42 \newcommand{\thedate}{\g_tma_constant_thedate}
44 \NewDocumentCommand{\myname}{m}{%
45 \tl_gset:Nn \g_tma_constant_name{#1}}
46 \NewDocumentCommand{\mytma}{m}{%
47 \tl_gset:Nn \g_tma_constant_tma{#1}}
48 \NewDocumentCommand{\mycourse}{m}{%
49 \tl_gset:Nn \g_tma_constant_course{#1}}
50 \NewDocumentCommand{\mypin}{m}{%
51 \tl_gset:Nn \g_tma_constant_pin{#1}}
52 \NewDocumentCommand{\setdate}{m}{%
53 \date{#1}\tl_gset:Nn \g_tma_constant_thedate{#1}}
54 \ExplSyntaxOff
56 \title{\textbf{TMA: \course-\tma}}
57 \author{\textbf{\name\space\pin}}
59
60 \NewDocumentCommand{\tma@questionstring}{}{\relax}
61 \NewDocumentCommand{\setquestionstring}{m}{%
62 \RenewDocumentCommand{\tma@questionstring}{}{#1}}
63 \setdate{\today}
64
```

## 4.2 Package Loading

```
66 %% Package Loading
69 \RequirePackage{amsmath}
70 \RequirePackage{amssymb}
71 \RequirePackage{amsthm}
72 \RequirePackage{wasysym}
73 \RequirePackage{bm}
74 \RequirePackage{upgreek}
75 \RequirePackage{graphicx}
76 \RequirePackage{lastpage}
77 \RequirePackage{xifthen}
78 \RequirePackage{verbatim}
79 \RequirePackage{fancyhdr}
80 \RequirePackage{geometry}
81 \RequirePackage{calc}
82 \RequirePackage[UKenglish]{isodate} % use UK format for date
83 \cleanlookdateon % remove th,st, rd from date
84
```

## 4.3 Geometry Settings

## 4.4 Margin Notes

113 } 114

## 4.5 Question Numbering

## 4.6 Option Handling

```
125 %% Option Handling
127 % Define boolean flags
128 \newif\iftma@roman
129 \newif\iftma@usecleveref
130 \neq 130 
131 \newif\iftma@legacy
132
133 % Set default options
134 \tma@romanfalse
                          % Default numbering is 'alph'
135 \tma@useclevereffalse % Default is not to use cleveref
136 \tma@usepdfbookmarkfalse % Default is not to use pdfbookmark
137 \tma@legacyfalse
                          % Default is not to use legacy definitions
139 % Define commands with default values
140 \renewcommand{\theqpart}{\alph{qpart}}
141 \renewcommand{\theqsubpart}{\roman{qsubpart}}
142 \NewDocumentCommand{\tma@crefname}{mmm}{\relax}
143 \MewDocumentCommand{\tma@stepcounter}{m}{\stepcounter{#1}}
144 \NewDocumentCommand{\tma@bookmark}{0{0}mm}{\relax}
145 \NewDocumentCommand{\tma@pageref}{m}{\pageref{#1}}
147 % Declare options
148 \DeclareOption{roman}{%
149 \tma@romantrue%
150 }
151
152 \DeclareOption{alph}{%
153 \tma@romanfalse%
154 }
156 \DeclareOption{cleveref}{%
157 \tma@useclevereftrue%
158 }
160 \DeclareOption{pdfbookmark}{%
161 \tma@usepdfbookmarktrue%
162 }
```

```
164 \DeclareOption{legacy}{%
165 \tma@legacytrue%
166 }
168 \DeclareOption*{%
169 \PackageWarning{tma}{Unknown option '\CurrentOption'}%
170 }
171
172 % Process options
173 \ProcessOptions\relax
4.7
      Debugging Options
175 \typeout{*********** OPTION RESULTS ********
176 \ \text{iftma@usepdfbookmark}
177 \typeout{pdfbookmark is TRUE}
178 \else
179 \typeout{pdfbookmark is FALSE}
180 \fi
181 \iftma@roman
182 \typeout{roman is TRUE}
183 \else
184 \typeout{roman is FALSE}
185 \fi
186 \iftma@usecleveref
187 \typeout{cleveref is TRUE}
188 \ensuremath{\setminus} else
189 \typeout{cleveref is FALSE}
190 \fi
191 \iftma@legacy
192 \typeout{legacy is TRUE}
193 \else
194 \typeout{legacy is FALSE}
195 \fi
196 \typeout{********* END OPTION RESULTS ********
197
198
      Package adjustments based on Options
4.8
200 %% Set Up Package Based on Options
203 % Set question numbering
204 \iftma@roman
205 \renewcommand{\thegpart}{\roman{qpart}}
206 \renewcommand{\theqsubpart}{\alph{qsubpart}}
207 \ensuremath{\setminus} \mathtt{else}
208 \renewcommand{\theqpart}{\alph{qpart}}
209 \renewcommand{\theqsubpart}{\roman{qsubpart}}
210 \fi
211 % Load hyperref if necessary
```

212 \iftma@usepdfbookmark

```
213 \AtBeginDocument{%
214 \hypersetup{%
215 colorlinks=true,%
216 linkcolor=blue,%
217 urlcolor=blue,%
218 pdfstartview=FitH,%
219 pdftitle={TMA~\tma}, %
220 pdfauthor={\name~|~\pin}, %
221 pdfkeywords={OUCU:~\pin, TMA~\tma}, %
222 pdfsubject=\course%
223 }%
224 }
225 \RequirePackage[pdfencoding=unicode,psdextra]{hyperref}
226 \fi
227
228 % Load cleveref if necessary
229 \iftma@usecleveref
230 % Ensure hyperref is loaded before cleveref
231 \@ifpackageloaded{hyperref}%
232 {}%
233 {\RequirePackage[pdfencoding=unicode,psdextra]{hyperref}}
234 \RequirePackage{cleveref}
235 % Redefine commands for cleveref
236 \RenewDocumentCommand{\tma@crefname}{mmm}{\crefname{#1}{#2}{#3}}
237 \RenewDocumentCommand{\tma@stepcounter}{m}{\refstepcounter{#1}}
238 \fi
239
240 % Redefine commands for pdfbookmark
241 \iftma@usepdfbookmark
242 \RenewDocumentCommand{\tma@pageref}{m}{\pageref*{#1}}
243 \RenewDocumentCommand{\tma@bookmark}{0{0} +m +m}{%
244 \pdfbookmark[#1]{#2}{#3}%
245 }
246 \fi
247
248 \setquestionstring{Q}
249
```

## 4.9 Question Environment

```
266 \makebox[0em][r]{\large{\tma@questionstring~\thequestion\hspace{0.3em}}}\pa
268 \par \vspace{3em}%
269 }
270
271 \NewDocumentCommand{\qpart}{0{0}}{%
272 \ifthenelse{\#1>0}{\setcounter{qpart}{\#1-1}}{\relax}%
273 \tma@stepcounter{qpart}%
274 \tma@bookmark[1]{\thequestion.\theqpart}%
    {qpart.\thequestion.\theqpart}%
276 \par%
    \makebox[Opt][r]{\large{(\theqpart)\hspace{1.5em}}}%
277
278 }
279
280 \NewDocumentCommand{\qsubpart}{0{0}}{%
281 \ifthenelse{#1>0}{\setcounter{qsubpart}{#1-1}}{\relax}%
   \tma@stepcounter{qsubpart}%
283 \tma@bookmark[2]{\thequestion.\theqpart.\theqsubpart}%
    {qsubpart.\thequestion.\theqpart.\theqsubpart}%
285 \ifthenelse{\value{qsubpart}>1}%
286 {\par}{}%
287 \hspace{-2em}\makebox[2em][1]{\large{(\theqsubpart)}}%
288 }
289
```

#### 4.10 Mathematical commands

```
291 %% Mathematical Commands
294 %% Differential Operators
295 \MewDocumentCommand{\dd}{}{\ensuremath{\mathbb{}}}
296 \NewDocumentCommand{\e}{}{\ensuremath{\mathrm{e}}}}
297 \NewDocumentCommand{\ii}{}{\ensuremath{\mathrm{i}}}}
299 %% Number Sets
300 \NewDocumentCommand{\N}{}\{\nsuremath{\mathbb{N}}}
301 \NewDocumentCommand{\Z}{}\
302 \NewDocumentCommand{\Q}{}{\ensuremath{\mathbb{Q}}}}
303 \NewDocumentCommand{R}{\colored{R}}}
304 \NewDocumentCommand{\Complex}{}{%
305 \ensuremath{\mathbb{C}}} % Changed from \C to \Complex
306 \NewDocumentCommand{\Rr}{}\ensuremath{\mathcal{R}}}
307
308 %% Vector Notation
309 \NewDocumentCommand{\vect}{m}{%
310 \ensuremath{\overrightarrow{#1}}} % Changed from \vec to \vect
311 \ensuremath{\textbf{#1}}
312
313 %% Superscript Notations
314 \NewDocumentCommand{\st}{}{\text{command}}
315 \NewDocumentCommand{\nd}{}{\textsuperscript{nd}}}
316 \NewDocumentCommand{\rd}{}\textsuperscript{rd}}
317 \NewDocumentCommand{\nth}{}{\textsuperscript{th}}
318
```

```
319 % Additional Symbols
322 %% Combinatorial Notations
323 \NewDocumentCommand{\comb}{mm}{\ensuremath{{}^{#1}C_{#2}}}
324 \mbox{NewDocumentCommand{\perm}{mm}{\command{{}}^{#1}P_{#2}}}
326\,\%\% Mathematical Operators
327 \DeclareMathOperator{\re}{Re}
328 \DeclareMathOperator{\im}{Im}
329 \DeclareMathOperator{\Log}{Log}
330 \DeclareMathOperator{\Arg}{Arg}
331 \DeclareMathOperator{\Wnd}{Wnd}
332 \DeclareMathOperator{\Res}{Res}
333 \DeclareMathOperator{\Ker}{Ker}
334 \DeclareMathOperator{\Orb}{Orb}
335 \DeclareMathOperator{\Stab}{Stab}
336 \DeclareMathOperator{\Fix}{Fix}
337
338 %% Derivatives
339 \NewDocumentCommand{\deriv}{mm}{%
340 \frac{\mathrm{d}#1}{\mathrm{d}#2}}
341 \NewDocumentCommand{\pderiv}{mm}{%
342 \frac{\partial #1}{\partial #2}}
343 \NewDocumentCommand{\psderiv}{mmm}{%
344 \frac{\partial^2 #1}{\partial #2 \partial #3}}
346 % Legacy Definitions
347 \iftma@legacy
348\ \% Redefine \vec to old definition
349 \RenewDocumentCommand{\vec}{m}{\ensuremath{\overrightarrow{#1}}}
350 \% Redefine \C to old definition
351 \ProvideDocumentCommand{\C}{}{\ensuremath{\mathbb{C}}}}
352 \mbox{\ensuremath{\mbb{C}}}
353 \fi
354
```

## 4.11 Theorem Environment

## 4.12 Miscellaneous Settings

```
370 \RenewDocumentCommand{\thefootnote}{}{\fnsymbol{footnote}}
371 \numberwithin{equation}{question}
372 \setlength{\parindent}{0pt}
373 \setlength{\parskip}{2ex plus 0.3ex minus 0.2ex}
4.13
     Header and Footer Settings
376 %% Header and Footer Settings
378
379 \neq fancy
380 \uparrow ncyhf{} % Clear all headers and footers
381 \fancyhead[L]{\textrm{\name\ \pin}}
382 \fancyhead[C]{	textrm{	course} TMA-	tma}}
384 \RenewDocumentCommand{\headrulewidth}{}{Opt} % Remove header rule
387 %% End of Package
```

# **Change History**

390 \endinput

v1.12	working. Replaced my
General: Standardized package name to 'tma' to make it compatible with CTAN. Avoided redefining standard	attempts at keeping \qpart and \qsubpart on the same line with Steve Mayers contribution 5
	v1.15
Consolidated geometry settings. Adjusted loading order of packages. Improved code readability and comments. Added 'legacy' option to allow old definitions of \vec and \C 5	General: Define \setdate and \thedate to allow the header date to be used within the document, eg header and footer 5
v1.13	General: Added File Properties to
General: Arranged for \qsubpart to go on the same line as the \qpart when there is no intervening text \qsubpart	$\begin{array}{c} \text{pdf files using the hyperref} \\ \text{setup system when in} \\ \text{pdfbookmark mode.} & \dots & 5 \\ \text{v1.17} \end{array}$
indents further than $\P$	General: Rewritten with LATEX3
v1.14  General: Allow replacement of Question marker tag using \setquestionstring. References with cleveref not	syntax from the 'xparse' package to make commands less fragile. Finally, I got the alignment of part and subpart numbering to line up correctly. 5

# Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols	${f E}$
$\$ \! $\ell$ -295, $\ell$ -320	\e $\ell$ -296
\@ifpackageloaded $\ell$ -231	\else . $\ell$ -178, $\ell$ -183, $\ell$ -188, $\ell$ -193, $\ell$ -207
$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	\endinput $\ell$ -390
•	\ensuremath $\ell$ -295,
A	$\ell$ -296, $\ell$ -297, $\ell$ -300, $\ell$ -301,
\alph $\ell$ -140, $\ell$ -206, $\ell$ -208	$\ell$ -302, $\ell$ -303, $\ell$ -305, $\ell$ -306,
alph (option) []	$\ell$ -310, $\ell$ -311, $\ell$ -320, $\ell$ -323,
\arabic \( \ell \cdot \).	$\ell$ -324, $\ell$ -349, $\ell$ -351, $\ell$ -352, $\ell$ -363
\Arg	environments:
\AtBeginDocument \ell-213	question
\author $\ell$ -57	\ExplSyntaxOff $\ell$ -54
В	\ExplSyntaxOn $\ell$ -25
\blacksmiley \ldots \ell-361, \ell-362, \ell-364	_
,	<b>F</b>
$\mathbf{C}$	\fancyhead \ldots \ell-381, \ell-382, \ell-383
\C $\ell$ -305, $\ell$ -350, $\ell$ -351, $\ell$ -352	\fancyhf
\cleanlookdateon $\ell$ -83	\fi \( \ell \cdot -180, \ell \cdot -185, \ell \cdot -190, \ell \cdot -195, \ell \cdot \cdot -210, \)
cleveref (option) []	$\ell$ -226, $\ell$ -238, $\ell$ -246, $\ell$ -259, $\ell$ -353
\comb \comb \ell-323	\Fix
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\crefname $\ell$ -236	
\CurrentOption $\ell$ -169	G
_	\g
D	$\ell$ -28, $\ell$ -29, $\ell$ -30, $\ell$ -32, $\ell$ -33, $\ell$ -34,
\date \langle -53	$\ell$ -35, $\ell$ -36, $\ell$ -38, $\ell$ -39, $\ell$ -40, $\ell$ -41,
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$\ell$ -328, $\ell$ -329, $\ell$ -330, $\ell$ -331, $\ell$ -332, $\ell$ -333, $\ell$ -334, $\ell$ -335, $\ell$ -336	н
\\DeclareOption \\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\	\headrulewidth $\ell$ -384
$\ell$ -152, $\ell$ -156, $\ell$ -160, $\ell$ -164, $\ell$ -168	\hspace $\ell$ -266, $\ell$ -277, $\ell$ -287
\\deriv \ldots \ell-139\\\deriv \ell-139\\deriv \ell-139\deriv \ell-139\\deriv \ell-139\\d	\hypersetup \ldots \ell-214
/METIA \(\ell_{-998}\)	\mypersetup ℓ-214

name pin course TMA-tma Page 17 of 18

I	\numberwithin $\ell$ -371
\iftherelse $\ell$ -262, $\ell$ -272, $\ell$ -281, $\ell$ -285	0
\iftma@legacy $\ell$ -131, $\ell$ -191, $\ell$ -347	Options:
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