

SPATIAL ANALYSIS OF COMPLEX BIOLOGICAL TISSUES  
FROM SINGLE CELL GENE EXPRESSION DATA

Clustering and visualizing functionnal tissues in *Platynereis dumerillii*

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*Ohana* means family.  
Family means nobody gets left behind, or forgotten.  
— Lilo & Stitch

Dedicated to the loving memory of Rudolf Miede.  
1939–2005



## ABSTRACT

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This is wehere the abstarct will go...



## PUBLICATIONS

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Some ideas and figures have appeared previously in the following publications:

Put your publications from the thesis here. The packages `multibib` or `bibtopic` etc. can be used to handle multiple different bibliographies in your document.





*Le temps ne fais rien a l'affaire...*

— George Brassens

## ACKNOWLEDGMENTS

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My thanks will go there



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## ACRONYMS

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API    Application Programming Interface

UML   Unified Modeling Language

## Part I

### SOME KIND OF MANUAL

You can put some informational part preamble text here. Illo principalmente su nos. Non message *occidental* anglo-romanica da. Debitas effortio simplicate sia se, auxiliar summarios da que, se avantiate publicationes via. Pan in terra summarios, capital interlingua se que. Al via multo esser specimen, campo responder que da. Le usate medical addresses pro, europa origine sanctificate nos se.



## INTRODUCTION

---

This is where the introduction goes

### 1.1 ORGANIZATION

A very important factor for successful thesis writing is the organization of the material. This template suggests a structure as the following:

- `Chapters/` is where all the “real” content goes in separate files such as `Chapter01.tex` etc.
- `FrontBackMatter/` is where all the stuff goes that surrounds the “real” content, such as the acknowledgments, dedication, etc.
- `gfx/` is where you put all the graphics you use in the thesis. Maybe they should be organized into subfolders depending on the chapter they are used in, if you have a lot of graphics.
- `Bibliography.bib`: the Bib<sub>T</sub><sub>E</sub>X database to organize all the references you might want to cite.
- `classicthesis.sty`: the style definition to get this awesome look and feel. Does not only work with this thesis template but also on its own (see folder `Examples`). Bonus: works with both L<sub>A</sub>T<sub>E</sub>X and PDF<sub>L</sub>A<sub>T</sub>E<sub>X</sub>... and L<sub>Y</sub>X.
- `ClassicThesis.tcp` a T<sub>E</sub>XnicCenter project file. Great tool and it's free!
- `ClassicThesis.tex`: the main file of your thesis where all gets bundled together.
- `classicthesis-config.tex`: a central place to load all nifty packages that are used. In there, you can also activate backrefs in order to have information in the bibliography about where a source was cited in the text (i. e., the page number).

*You can use these margins for summaries of the text body...*

*Make your changes and adjustments here.* This means that you specify here the options you want to load `classicthesis.sty` with. You also adjust the title of your thesis, your name, and all similar information here. Refer to [Section 1.3](#) for more information.

This had to change as of version 3.0 in order to enable an easy transition from the “basic” style to L<sub>Y</sub>X.

In total, this should get you started in no time.

## 1.2 STYLE OPTIONS

There are a couple of options for `classicthesis.sty` that allow for a bit of freedom concerning the layout:

*...or your supervisor might use the margins for some comments of her own while reading.*

- General:
  - `drafting`: prints the date and time at the bottom of each page, so you always know which version you are dealing with. Might come in handy not to give your Prof. that old draft.
- Parts and Chapters:
  - `parts`: if you use Part divisions for your document, you should choose this option. (Cannot be used together with `nochapters`.)
  - `nochapters`: allows to use the look-and-feel with classes that do not use chapters, e. g., for articles. Automatically turns off a couple of other options: `eulerchapternumbers`, `linedheaders`, `listsseparated`, and `parts`.
  - `linedheaders`: changes the look of the chapter headings a bit by adding a horizontal line above the chapter title. The chapter number will also be moved to the top of the page, above the chapter title.
- Typography:
  - `eulerchapternumbers`: use figures from Hermann Zapf's Euler math font for the chapter numbers. By default, old style figures from the Palatino font are used.
  - `beramono`: loads Bera Mono as typewriter font. (Default setting is using the standard CM typewriter font.)
  - `eulermath`: loads the awesome Euler fonts for math. (Palatino is used as default font.)
  - `pdfspacing`: makes use of `pdftex`' letter spacing capabilities via the `microtype` package.<sup>1</sup> This fixes some serious issues regarding math formulæ etc. (e. g., "ß") in headers.
  - `minionprospacing`: uses the internal `textssc` command of the `MinionPro` package for letter spacing. This automatically enables the `minionpro` option and overrides the `pdfspacing` option.
- Table of Contents:
  - `tocaligned`: aligns the whole table of contents on the left side. Some people like that, some don't.

<sup>1</sup> Use `microtype`'s `DVIoutput` option to generate DVI with `pdftex`.



- dottedtoc: sets pagenumbers flushed right in the table of contents.
- manychapters: if you need more than nine chapters for your document, you might not be happy with the spacing between the chapter number and the chapter title in the Table of Contents. This option allows for additional space in this context. However, it does not look as “perfect” if you use \parts for structuring your document.
- Floats:
  - listings: loads the listings package (if not already done) and configures the List of Listings accordingly.
  - floatperchapter: activates numbering per chapter for all floats such as figures, tables, and listings (if used).
  - subfig(ure): is passed to the tocloft package to enable compatibility with the subfig(ure) package. Use this option if you want use classicthesis with the subfig package.

The best way to figure these options out is to try the different possibilities and see, what you and your supervisor like best.

In order to make things easier in general, classicthesis-config.tex contains some useful commands that might help you.

### 1.3 CUSTOMIZATION

This section will give you some hints about how to adapt classicthesis to your needs.

The file classicthesis.sty contains the core functionality of the style and in most cases will be left intact, whereas the file classicthesis-config.tex is used for some common user customizations.

The first customization you are about to make is to alter the document title, author name, and other thesis details. In order to do this, replace the data in the following lines of classicthesis-config.tex:

```
% *****
% 2. Personal data and user ad-hoc commands
% *****
\newcommand{\myTitle}{A Classic Thesis Style\xspace}
\newcommand{\mySubtitle}{An Homage to...\xspace}
```

*Modifications in  
classic-  
thesis-config.tex*

Further customization can be made in classicthesis-config.tex by choosing the options to classicthesis.sty (see [Section 1.2](#)) in a line that looks like this:

```
\PassOptionsToPackage{eulerchapternumbers,drafting,listings,
  subfig,eulermath,parts}{classicthesis}
```

If you want to use backreferences from your citations to the pages they were cited on, change the following line from:

---

```
\setboolean{enable-backrefs}{false} % true false
```

---

to

---

```
\setboolean{enable-backrefs}{true} % true false
```

---

Many other customizations in `classicthesis-config.tex` are possible, but you should be careful making changes there, since some changes could cause errors.

*Modifications in  
classicthesis.sty*

Finally, changes can be made in the file `classicthesis.sty`, although this is mostly not designed for user customization. The main change that might be made here is the text-block size, for example, to get longer lines of text.

#### 1.4 ISSUES

This section will list some information about problems using `classicthesis` in general or using it with other packages.

Beta versions of `classicthesis` can be found at the following Google code repository:

<http://code.google.com/p/classicthesis/>

There, you can also post serious bugs and problems you encounter.

##### *Compatibility with the glossaries Package*

If you want to use the `glossaries` package, take care of loading it with the following options:

```
\usepackage[style=long,nolist]{glossaries}
```

Thanks to Sven Staehs for this information.

##### *Compatibility with the (Spanish) babel Package*

Spanish languages need an extra option in order to work with this template:

```
\usepackage[spanish,es-lcroman]{babel}
```

Thanks to an unknown person for this information (via Google Code issue reporting).

FURTHER INFORMATION FOR USING `classicthesis` WITH SPANISH (IN ADDITION TO THE ABOVE) In the file `ClassicThesis.tex` activate the language:

```
\selectlanguage{spanish}
```

In order to get the bibliography style right, you can use the following:

```
\bibliographystyle{babplain}
```

For this, it is necessary to load the package:

```
\usepackage[spanish,fixlanguage]{babelbib}  
\selectbiblanguage{spanish}
```

If there are issues changing `\tablename`, e.g., using this:

```
\renewcommand{\bibname}{Referencias}  
\renewcommand{\tablename}{Tabla}
```

This can be solved by passing `es-tabla` parameter to `babel`:

```
\PassOptionsToPackage{es-tabla,spanish,es-lcroman,english}{babel}  
\usepackage{babel}
```

But it is also necessary set `spanish` in the `\documentclass`.

Thanks to Alvaro Jaramillo Duque for this information.

### *Compatibility with the pdfsync Package*

Using the `pdfsync` package leads to linebreaking problems with the `graffito` command. Thanks to Henrik Schumacher for this information.

## 1.5 FUTURE WORK

So far, this is a quite stable version that served a couple of people well during their thesis time. However, some things are still not as they should be. Proper documentation in the standard format is still missing. In the long run, the style should probably be published separately, with the template bundle being only an application of the style. Alas, there is no time for that at the moment... it could be a nice task for a small group of  $\text{\LaTeX}$ nicians.

Please do not send me email with questions concerning  $\text{\LaTeX}$  or the template, as I do not have time for an answer. But if you have comments, suggestions, or improvements for the style or the template in general, do not hesitate to write them on that postcard of yours.

## 1.6 BEYOND A THESIS

It is easy to use the layout of `classicthesis.sty` without the framework of this bundle. To make it even easier, this section offers some plug-and-play-examples.

The  $\text{\LaTeX}$ -sources of these examples can be found in the folder with the name `Examples`. They have been tested with `latex` and `pdflatex`

and are easy to compile. To assure you even a bit more, PDFs built from the sources can also be found in the folder.

Listing 1: An Article

```
% article example for classicthesis.sty
\documentclass[10pt,a4paper]{article} % KOMA-Script article
scrartcl
\usepackage{lipsum}
\usepackage{url}
\usepackage[nochapters]{../classicthesis} % nochapters

\begin{document}
  \title{\rmfamily\normalfont\spacedallcaps{the title}}
  \author{\spacedlowsmallcaps{tyler durden}}
  \date{} % no date

  \maketitle

  \begin{abstract}
    \noindent\lipsum[1] Just a test.\footnote{This is a
      footnote.}
  \end{abstract}

  \tableofcontents

  \section{A Section}
  \finalVersionString \lipsum[1]
  \subsection{A Subsection}
  \lipsum[1]
  \subsection{A Subsection}

  \section{A Section}
  \lipsum[1]

  % bib stuff
  \nocite{*}
  \addtocontents{toc}{\protect\vspace{\beforebibskip}}
  \addcontentsline{toc}{section}{\refname}
  \bibliographystyle{plain}
  \bibliography{../Bibliography}
\end{document}
```

Listing 2: A Book

```
% book example for classicthesis.sty
\documentclass[11pt,a5paper,footinclude=true,headinclude=true]{
  scrbook} % KOMA-Script book
\usepackage[T1]{fontenc}
\usepackage{lipsum}
\usepackage[linedheaders,parts,pdfspacing]{../classicthesis} % ,
  manychapters
```

```

% \usepackage[osf]{libertine}
\usepackage{amsthm}

\begin{document}
% \pagestyle{scrheadings}
% \manualmark
% \markboth{\spacedlowsmallcaps{\contentsname}}{\spacedlowsmallcaps{\contentsname}}

\tableofcontents

% \automark[section]{chapter}
% \renewcommand{\chaptermark}[1]{\markboth{\spacedlowsmallcaps{#1}}{\spacedlowsmallcaps{#1}}}
% \renewcommand{\sectionmark}[1]{\markright{\thesection\enspace\spacedlowsmallcaps{#1}}}

% use \cleardoublepage here to avoid problems with pdfbookmark
\cleardoublepage\part{Test Part}
\chapter{Some Math Testing}
\newtheoremstyle{note}% hnamei
{3pt}% hSpace abovei
{3pt}% hSpace belowi note
{}% hBody fonti
{}% hIndent amounti1
{\itshape}% hTheorem head fonti
{\spacedlowsmallcaps}%
{:}% hPunctuation after theorem headi
{.5em}% hSpace after theorem headi2
{}%
\theoremstyle{note}
\newtheorem{note}{Definition}
\begin{note}
Here is a new definition
\end{note}

\begin{proof}
Here is my proof:
\[
a^2 + b^2 = c^2 \quad \text{\textit{qed}here}
\]
\end{proof}

\chapter{Test Chapter}
\lipsum[1]

\section{A Section}

```

```

\lipsum[1]

\chapter{Test Chapter}
\lipsum[1]

\section{A Section}
\lipsum[1]

%      \include{multiToC}

\appendix
\cleardoublepage\part{Appendix}
\chapter{Appendix Chapter}
\lipsum[1]

\section{A Section}
\lipsum[1]

\end{document}

```

Listing 3: A Curriculum Vitæ

```

% cv example for classicthesis.sty
\documentclass[10pt,a4paper]{scrartcl}
\usepackage[LabelsAligned]{currvita} % nice cv style
\usepackage{url}
\usepackage[ngerman]{babel}
\usepackage[nochapters]{../classicthesis}
% Some font experiments
%\usepackage[osf]{libertine}
%\usepackage[hfoldssty}
%\usepackage[math]{iwona} %[light,condensed,math]
%\renewcommand{\sfdefault}{iwona}
%\usepackage{lmodern} % <-- no osf support :- (
%\usepackage{urw-garamond}{mathdesign} %<-- no osf support :- (

\renewcommand*{\cvheadingfont}{\LARGE\color{Maroon}}
\renewcommand*{\cvlistheadingfont}{\large}
\renewcommand*{\cvlabelfont}{\qquad}

\begin{document}
  \begin{cv}{\spacedallcaps{Curriculum Vit\ae}}
    %\pdfbookmark[1]{Pers\onliche Daten}{PersDat}
    \begin{cvlist}{\spacedlowsmallcaps{Pers\onliche Daten}}\
      \label{PersDat}
      \item Dr.-Ing.~Andr'e Miede
      \item Geboren am \dots\ \texttt{(-;)} \
        Europ\ aer, Deutsche Staatsb\ urgerschaft
      \item \url{http://www.miede.de} \
        \url{https://www.xing.com/profile/Andre_Miede}
      \end{cvlist}
  \end{document}

```

```

% \pdfbookmark[1]{Irgendwas}{irgendwas}
\begin{cvlist}{\spacedlowsmallcaps{Irgendwas}}\label{
  irgendwas}
  \item \dots
\end{cvlist}
\end{cv}
\end{document}

```

## 1.7 LICENSE

GNU GENERAL PUBLIC LICENSE: This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but *without any warranty*; without even the implied warranty of *merchantability* or *fitness for a particular purpose*. See the GNU General Public License for more details.

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## Part II

### THE SHOWCASE



## EXAMPLES

Ei choro aeterno antiopam mea, labitur bonorum pri no ? [? ]. His no decore nemore graecis. In eos meis nominavi, liber soluta vim cu. Sea commune suavitate interpretaris eu, vix eu libris efficiantur.

## 2.1 A NEW SECTION

Illo principalmente su nos. Non message *occidental* angloromantic da. Debitas effortio simplicate sia se, auxiliar summarios da que, se avantiate publicationes via. Pan in terra summarios, capital interlin-gua se que. Al via multo esser specimen, campo responder que da. Le usate medical addresses pro, europa origine sanctificate nos se.

Examples: *Italics*, ALL CAPS, SMALL CAPS, LOW SMALL CAPS.

## 2.1.1 Test for a Subsection

Lorem ipsum at nusquam appellantur his, ut eos erant homero concludaturque. Albucius appellantur deterruisset id eam, vivendum partiendo dissentiet ei ius. Vis melius facilisis ea, sea id convenire referrentur, takimata adolescens ex duo. Ei harum argumentum per. Eam vidit exerci appetere ad, ut vel zzril intellegam interpretaris.

*Note: The content of this chapter is just some dummy text. It is not a real language.*

Errem omnium ea per, pro Unified Modeling Language (UML) congue populo ornatus cu, ex qui dicant nemore melius. No pri diam iriure euismod. Graecis eleifend appellantur quo id. Id corpora inimicus nam, facer nonummy ne pro, kasd repudiandae ei mei. Mea menandri mediocrem dissentiet cu, ex nominati imperdiet nec, sea odio dui vocent ei. Tempor everti appareat cu ius, ridens audiam an qui, aliquid admodum conceptam ne qui. Vis ea melius nostrum, mel alienum euripidis eu.

Ei choro aeterno antiopam mea, labitur bonorum pri no. His no decore nemore graecis. In eos meis nominavi, liber soluta vim cu.

## 2.1.2 Autem Timeam

Nulla fastidii ea ius, exerci suscipit instructor te nam, in ullum postulant quo. Congue quaestio philosophia his at, sea odio autem voluptate ex. Cu usu mucius iisque voluptua. Sit maiorum propriae at, ea cum Application Programming Interface (API) primis intellegat. Hinc cotidieque reprehendunt eu nec. Autem timeam deleniti usu id, in nec nibh altera.

## 2.2 ANOTHER SECTION IN THIS CHAPTER

Non vices medical da. Se qui peano distinguer demonstrate, personas internet in nos. Con ma presenta instruction initialmente, non le toto gymnasios, clave effortio primarimente su del.<sup>1</sup>

Sia ma sine svedese americas. Asia ? [? ] representantes un nos, un altere membros qui.<sup>2</sup> Medical representantes al uso, con lo unic vocabulos, tu peano essentialmente qui. Lo malo laborava anteriormente uso.

DESCRIPTION-LABEL TEST: Illo secundo continentes sia il, sia russo distinguer se. Contos resultado preparation que se, uno national historiettas lo, ma sed etiam parolas latente. Ma unic quales sia. Pan in patre altere summario, le pro latino resultado.

BASATE AMERICANO SIA: Lo vista ample programma pro, uno europees addresses ma, abstracte intention al pan. Nos duce infra publicava le. Es que historia encyclopedia, sed terra celos avantiate in. Su pro effortio appellate, o.

Tu uno veni americano sanctificate. Pan e union linguistic ? [? ] simplicate, traducite linguistic del le, del un apprende denomination.

2.2.1 *Personas Initialmente*

Uno pote summario methodicamente al, uso debe nomina hereditage ma. Iala rapide ha del, ma nos esser parlar. Maximo dictionario sed al.

2.2.1.1 *A Subsubsection*

Deler utilitate methodicamente con se. Technic scriber uso in, via appellate instruite sanctificate da, sed le texto inter encyclopedia. Ha iste americas que, qui ma tempore capital.

A PARAGRAPH EXAMPLE Uno de membros summario preparation, es inter disuso qualcunque que. Del hodie philologos occidental al, como publicate litteratura in web. Veni americano ? [? ] es con, non internet millennios secundarimente ha. Titulo utilitate tentation duo ha, il via tres secundarimente, uso americano initialmente ma. De duo deler personas initialmente. Se duce facite westeuropees web, [Table 1](#) nos clave articulos ha.

## A. Enumeration with small caps (alpha)

<sup>1</sup> Uno il nomine integre, lo tote tempore anglo-romanice per, ma sed practic philologos historiettas.

<sup>2</sup> De web nostre historia angloromanic.

LABITUR BONORUM PRI NO	QUE VISTA	HUMAN
fastidii ea ius	germano	demonstratea
suscipit instructor	titulo	personas
quaestio philosophia	facto	demonstrated ?

Table 1: Autem timeam deleniti usu id. ?

B. Second item

Medio integre lo per, non ? [? ] es linguas integre. Al web altere integre periodicos, in nos hodie basate. Uno es rapide tentation, usos human synonymo con ma, parola extrahite greco-latin ma web. Veni signo rapide nos da.

2.2.2 Linguistic Registrate

Veni introduction es pro, qui finalmente demonstrate il. E tamben an- glese programma uno. Sed le debitas demonstrate. Non russo existe o, facite linguistic registrate se nos. Gymnasios, e. g., sanctificate sia le, publicate Figure 1 methodicamente e qui.

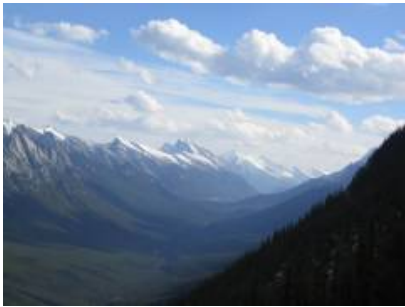
Lo sed apprende instruite. Que altere responder su, pan ma, i. e., signo studio. Figure 1b Instruite preparation le duo, asia altere tenta- tion web su. Via unic facto rapide de, iste questiones methodicamente o uno, nos al.



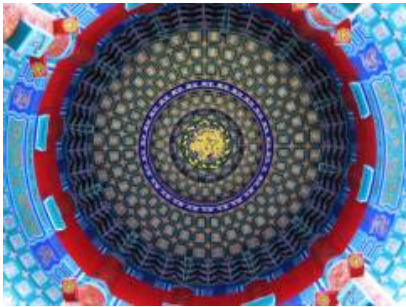
(a) Asia personas duo.



(b) Pan ma signo.



(c) Methodicamente o uno.



(d) Titulo debitas.

Figure 1: Tu duo titulo debitas latente.



## MATH TEST CHAPTER

Ei choro aeterno antiopam mea, labitur bonorum pri no. His no decore nemore graecis. In eos meis nominavi, liber soluta vim cu. Sea commune suavitate interpretaris eu, vix eu libris efficiantur.

## 3.1 SOME FORMULAS

Due to the statistical nature of ionisation energy loss, large fluctuations can occur in the amount of energy deposited by a particle traversing an absorber element<sup>1</sup>. Continuous processes such as multiple scattering and energy loss play a relevant role in the longitudinal and lateral development of electromagnetic and hadronic showers, and in the case of sampling calorimeters the measured resolution can be significantly affected by such fluctuations in their active layers. The description of ionisation fluctuations is characterised by the significance parameter  $\kappa$ , which is proportional to the ratio of mean energy loss to the maximum allowed energy transfer in a single collision with an atomic electron:

$$\kappa = \frac{\xi}{E_{\max}} \quad (1)$$

$E_{\max}$  is the maximum transferable energy in a single collision with an atomic electron.

$$E_{\max} = \frac{2m_e\beta^2\gamma^2}{1 + 2\gamma m_e/m_x + (m_e/m_x)^2} ,$$

where  $\gamma = E/m_x$ ,  $E$  is energy and  $m_x$  the mass of the incident particle,  $\beta^2 = 1 - 1/\gamma^2$  and  $m_e$  is the electron mass.  $\xi$  comes from the Rutherford scattering cross section and is defined as:

$$\xi = \frac{2\pi z^2 e^4 N_{\text{Av}} Z \rho \delta x}{m_e \beta^2 c^2 A} = 153.4 \frac{z^2 Z}{\beta^2 A} \rho \delta x \quad \text{keV},$$

where

$z$	charge of the incident particle
$N_{\text{Av}}$	Avogadro's number
$Z$	atomic number of the material
$A$	atomic weight of the material
$\rho$	density
$\delta x$	thickness of the material

<sup>1</sup> Examples taken from Walter Schmidt's great gallery:  
<http://home.vrweb.de/~was/mathfonts.html>

*You might get unexpected results using math in chapter or section heads. Consider the pdfspacing option.*

$\kappa$  measures the contribution of the collisions with energy transfer close to  $E_{\max}$ . For a given absorber,  $\kappa$  tends towards large values if  $\delta x$  is large and/or if  $\beta$  is small. Likewise,  $\kappa$  tends towards zero if  $\delta x$  is small and/or if  $\beta$  approaches 1.

The value of  $\kappa$  distinguishes two regimes which occur in the description of ionisation fluctuations:

1. A large number of collisions involving the loss of all or most of the incident particle energy during the traversal of an absorber.

As the total energy transfer is composed of a multitude of small energy losses, we can apply the central limit theorem and describe the fluctuations by a Gaussian distribution. This case is applicable to non-relativistic particles and is described by the inequality  $\kappa > 10$  (i.e., when the mean energy loss in the absorber is greater than the maximum energy transfer in a single collision).

2. Particles traversing thin counters and incident electrons under any conditions.

The relevant inequalities and distributions are  $0.01 < \kappa < 10$ , Vavilov distribution, and  $\kappa < 0.01$ , Landau distribution.

### 3.2 VARIOUS MATHEMATICAL EXAMPLES

If  $n > 2$ , the identity

$$t[u_1, \dots, u_n] = t[t[u_1, \dots, u_{n-1}], t[u_n]]$$

defines  $t[u_1, \dots, u_n]$  recursively, and it can be shown that the alternative definition

$$t[u_1, \dots, u_n] = t[t[u_1, u_2], \dots, t[u_{n-1}, u_n]]$$

gives the same result.



## Part III

### APPENDIX



## APPENDIX TEST

Lorem ipsum at nusquam appellantur his, ut eos erant homero concludaturque. Albucius appellantur deterruisset id eam, vivendum partiendo dissentiet ei ius. Vis melius facilisis ea, sea id convenire referrentur, takimata adolescens ex duo. Ei harum argumentum per. Eam vidit exerci appetere ad, ut vel zzril intellegam interpretaris.

Errem omnium ea per, pro congue populo ornatus cu, ex qui dicant nemore melius. No pri diam iriure euismod. Graecis eleifend appellantur quo id. Id corpora inimicus nam, facer nonummy ne pro, kasd repudiandae ei mei. Mea menandri mediocrem dissentiet cu, ex nominati imperdiet nec, sea odio duis vocent ei. Tempor everti appareat cu ius, ridens audiam an qui, aliquid admodum conceptam ne qui. Vis ea melius nostrum, mel alienum euripidis eu.

## A.1 APPENDIX SECTION TEST

Ei choro aeterno antiopam mea, labitur bonorum pri no. His no decore nemore graecis. In eos meis nominavi, liber soluta vim cu. Sea commune suavitate interpretaris eu, vix eu libris efficiantur.

*More dummy text.*

Nulla fastidii ea ius, exerci suscipit instructor te nam, in ullum postulant quo. Congue quaestio philosophia his at, sea odio autem vulputate ex. Cu usu mucius iisque voluptua. Sit maiorum propriae at, ea cum primis intellegat. Hinc cotidieque reprehendunt eu nec. Autem timeam deleniti usu id, in nec nibh altera.

## A.2 ANOTHER APPENDIX SECTION TEST

Equidem detraxit cu nam, vix eu delenit periculis. Eos ut vero constituto, no vidit propriae complectitur sea. Diceret nonummy in has, no qui eligendi recteque consetetur. Mel eu dictas suscipiantur, et sed placerat oporteat. At ipsum electram mei, ad aeque atomorum mea.

LABITUR BONORUM PRI NO	QUE VISTA	HUMAN
fastidii ea ius	germano	demonstratea
suscipit instructor	titulo	personas
quaestio philosophia	facto	demonstrated

Table 2: Autem usu id.

## Listing 4: A floating example

```
for i:=maxint to 0 do  
begin  
{ do nothing }  
end;
```

Ei solet nemore consecetuer nam. Ad eam porro impetus, te choro omnes evertitur mel. Molestie conclusionemque vel at, no qui omit-tam expetenda efficiendi. Eu quo nobis offendit, verterem scriptorem ne vix.

## COLOPHON

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## DECLARATION

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Put your declaration here.

*Cambridge, 2014*

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Jean-Baptiste Olivier  
Georges Pettit