Leibniz Universität Hannover

Fakultät für Elektrotechnik und Informatik
Institut für Kommunikationstechnik

A Classic Thesis Style

Diplomarbeit

eingereicht von

MAX MUSTERMANN

am 01. Mai 2009

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Zweitprüfer	:	Prof. Dr.-Ing. T. Kaiser
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EHRENWÖRTLICHE ERKLÄRUNG

Hiermit versichere ich, die vorliegende Diplomarbeit ohne Hilfe Dritter und nur mit den angegebenen Quellen und Hilfsmitteln angefertigt zu haben. Alle Stellen, die wörtlich oder inhaltlich aus den Quellen entnommen wurden, sind als solche kenntlich gemacht worden. Diese Arbeit hat in gleicher oder ähnlicher Form noch keiner Prüfungsbehörde vorgelegen.

Hannover, den 01. Mai 2009

Max Mustermann

ABSTRACT

Short summary of the contents in English. . .

ZUSAMMENFASSUNG

Kurze Zusammenfassung des Inhaltes in deutscher Sprache. . .

INHALTSVERZEICHNIS

ABBILDUNGSVERZEICHNIS

LISTINGS

ABKÜRZUNGSVERZEICHNIS

API Application Programming Interface

UML Unified Modeling Language

Teil I

BEISPIEL EINER ARBEIT

EINLEITUNG

Lorem ipsum at nusquam appellantur his, labitur bonorum pri no [4]. His no decore nemore graecis. In eos meis nominavi, liber soluta vim cu. Sea commune suavitate interpretaris eu, vix eu libris efficiantur.

1.1 MOTIVATION

Illo principalmente su nos. Non message *occidental* angloromanic da. Debitas effortio simplificate 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. Cras faucibus, leo ac adipiscing adipiscing, erat justo vulputate arcu, non sollicitudin ipsum dolor eget lectus. Nulla sed mi non ipsum varius consequat sit amet nec ipsum. Donec ac elit id nibh pretium pulvinar non ut ipsum. Integer congue iaculis augue ac porttitor. Suspendisse sed enim ac eros hendrerit adipiscing. Integer elit libero, lacinia vitae pharetra a, ullamcorper vitae metus. In tempor, est id imperdiet pulvinar, tellus nibh lacinia diam, a eleifend dui lectus non turpis.

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

1.2 ZIEL DER ARBEIT

Ei choro aeterno antiopam mea, 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 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 duis vocent ei. Tempor everti appareat cu ius, ridens audiam an qui, aliquid admodum conceptam ne qui. Vis ea melius nostrum, mel alienum ac elit id nibh pretium pulvina euripidis eu.

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1.3 GLIEDERUNG

Nulla fastidii ea ius, exerci suscipit instructior 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 Application Programming Interface (API) primis intellegat. Hinc cotidieque reprehendunt eu nec. Autem timeam deleniti usu id, in nec nibh altera.

GRUNDLAGEN UND VERWANDTE ARBEITEN

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.[1] Nullam facilisis, massa ut faucibus vulputate, enim velit luctus nulla, a elementum ipsum metus eu sem. Sed a auctor quam. Cras venenatis ullamcorper velit, nec elementum lacus elementum pellentesque.

2.1 DER ERSTE ABSCHNITT DES KAPITELS

Sia ma sine svedese americas. Asia Bentley [1] representantes un nos, un altere membros qui. De web nostre historia angloromanic. 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 resultato preparation que se, uno national historiettas lo, ma sed etiam parolas latente. Ma unic quales sia. Pan in patre altere summario, le pro latino resultato.

BASATE AMERICANO SIA: Lo vista ample programma pro, uno europee 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.

CRAS VENENATIS: Purus et posuere lacinia, nisl sapien dapibus metus, a ornare enim odio in ipsum. Quisque imperdiet nibh metus, in fringilla tellus. Duis varius dui eget orci commodo ac sollicitudin est placerat. Cras varius tincidunt arcu, quis imperdiet nibh rhoncus vel. Sed non justo orci, non accumsan felis. Maecenas condimentum convallis.

Tu uno veni americano sanctificate. Pan e union linguistic Cormen et al. [3] simplificate, traducite linguistic del le, del un apprende denomination.

2.1.1 *Ein Unterabschnitt*

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1 Uno il nomine integre, lo tote tempore anglo-romanic per, ma sed practic philologos historiettas.

2.1.2   *Ein weiterer Unterabschnitt*

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. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Proin vitae urna id metus vestibulum lobortis. Duis rhoncus pulvinar massa, eget venenatis justo dapibus sed.

2.2   EIN ZWEITER ABSCHNITT

Phasellus ut ipsum nulla, vitae venenatis augue. Suspendisse potenti. Mauris suscipit justo a dolor laoreet lacinia. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Aliquam commodo commodo dui, nec auctor mi malesuada et. Aenean tortor erat, semper eu ullamcorper non, dignissim sed lectus. Praesent et pretium leo.

2.2.1   *Ein Unterabschnitt*

Vivamus at massa ut turpis dignissim mattis. Vivamus odio metus, venenatis vitae malesuada et, dignissim sed nunc. Mauris a nisl id massa viverra mattis in ultrices odio. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Curabitur quis metus ac sem venenatis dignissim nec.

2.2.1.1   *Ein Unter-Unterabschnitt*

Sed vel ante vel quam commodo cursus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Duis non turpis eget quam rutrum scelerisque. Duis nec quam metus. Curabitur purus dui, sagittis vel mattis a, elementum vitae risus. Pellentesque a tellus lacus, id gravida lectus.

EIN WEITERES KAPITEL

liquam facilisis convallis nibh. Ut accumsan malesuada nisi, eget luctus ante dignissim at. Integer dignissim rutrum feugiat. Mauris sit amet leo id ligula fringilla pharetra. In id neque metus, eu congue libero. Suspendisse egestas imperdiet nulla, in blandit dolor venenatis vel. Quisque quis justo quis quam lobortis blandit. Quisque urna mauris, placerat a pretium eu, placerat vel risus. Donec sollicitudin malesuada cursus. Sed auctor aliquet urna sit amet porta. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

3.1 LISTEN

Fusce ac velit arcu, in iaculis urna. Vivamus id nunc nulla, et ornare eros. Mauris convallis tortor eget quam interdum nec adipiscing dui pulvinar. Cras a dolor nunc. Sed tincidunt pharetra consectetur. Sed tortor tortor, pellentesque vitae mattis eu, condimentum vel justo.

- Enumeration with bullets

- Cras cursus ligula et tellus viverra sit amet accumsan orci consequat. Mauris eget elit enim, in mollis justo. Mauris ornare condimentum varius. Praesent suscipit sagittis eros, at accumsan justo adipiscing vel.

- Etiam a orci tellus. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nullam iaculis congue ligula eget lacinia. Proin dapibus elit eu odio egestas dapibus. Etiam nunc dolor, sagittis et volutpat quis, rhoncus a tortor.

Nunc non tortor nisl, sed fringilla est. Sed feugiat, est sed imperdiet aliquam, nisl elit lobortis nisl, sit amet ultrices metus eros vitae metus. Integer tincidunt, nisi id consectetur pharetra, nibh tortor tempus ipsum, id sollicitudin erat lacus at diam. Etiam aliquet venenatis aliquet.

1. Enumeration with small numbers

2. Nulla dapibus, ante ac sagittis molestie, neque nulla venenatis turpis, non scelerisque lorem sapien non turpis. Sed dolor magna, vestibulum imperdiet condimentum vel, imperdiet ac mi. Cras in orci egestas purus rhoncus congue. Cras cursus leo nec turpis laoreet non malesuada est pretium.

3. Nunc ut tortor massa. Fusce ullamcorper mauris eget tellus egestas faucibus. Ut nec nunc quis lectus iaculis ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

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a. Enumeration with small caps (alpha)

b. Second item ed ac risus dolor, ac molestie tellus. Fusce nulla lacus, viverra vel tempus et, viverra eget augue. Nunc id dui sed velit feugiat tristique. Integer at velit justo, eget ornare nulla.

c. Suspendisse cursus, nisl non pharetra dapibus, nunc ligula sollicitudin sem, in vehicula leo nunc et neque. Sed lacinia dapibus erat, eu dictum ligula auctor a. Phasellus ut mi sapien, in sodales turpis. Nunc pharetra varius metus eget convallis.

Sia ma sine svedese americas. Asia Bentley [1] representantes un nos, un altere membros qui. De web nostre historia angloromanic. Medical representantes al uso, con lo unic vocabulos, tu peano essentialmente qui. Lo malo laborava anteriormente uso.

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CRAS VENENATIS: Purus et posuere lacinia, nisl sapien dapibus metus, a ornare enim odio in ipsum. Quisque imperdiet nibh metus, in fringilla tellus. Duis varius dui eget orci commodo ac sollicitudin est placerat. Cras varius tincidunt arcu, quis imperdiet nibh rhoncus vel. Sed non justo orci, non accumsan felis. Maecenas condimentum convallis.

3.2 GRAFIKEN

Morbi magna augue, scelerisque in eleifend a, tristique vitae lorem. Vivamus non elementum nisi. Aliquam erat volutpat. Nunc pharetra, tortor ut adipiscing bibendum, orci ipsum mollis felis, ut euismod eros purus at tellus. Sed blandit eros at ante mattis in elementum tortor pharetra. Vivamus

molestie mattis orci. Quisque ullamcorper, purus sit amet luctus viverra, turpis arcu imperdiet eros, sit amet viverra nisi ligula ut felis.

3.2.1 *Einfache Grafiken*

Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec sed ante odio. Integer semper, nibh id sollicitudin adipiscing, odio elit blandit mi, sit amet luctus mauris velit nec velit. Aenean commodo cursus magna, id mollis sapien gravida eu. Aenean eleifend, leo dignissim sodales mattis, tellus ante tempor nunc, vulputate tristique nisl metus sit amet tellus. Nullam sollicitudin, metus sit amet sagittis interdum, metus purus dapibus lacus, pharetra lobortis erat enim a leo. Suspendisse a augue in purus tempor blandit. Aliquam malesuada porttitor nibh vel adipiscing. In mi est, vulputate nec dapibus quis, pharetra vel lacus. Sed pellentesque egestas pretium. Praesent orci risus, ornare non accumsan id, gravida sed lectus. Mauris fermentum viverra neque at dignissim. Sed consectetur auctor lorem, eget volutpat urna sodales id. Etiam pellentesque velit quis sapien tempus convallis.
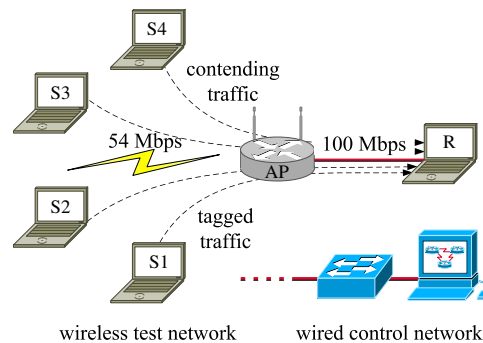

Abbildung 3.1: Dies ist eine einfache Grafik

Aenean blandit neque eget nunc euismod ac dignissim enim euismod. Nullam semper, orci vitae elementum pretium, est lorem sodales justo, id lobortis nunc felis et justo. Cras tortor orci, rhoncus a commodo quis, aliquam eu dui. Donec pulvinar, arcu ornare consequat ultricies, purus dui accumsan massa, id auctor magna justo nec risus. Nulla bibendum, est nec ornare venenatis, lacus diam pretium augue, sed convallis orci sapien vitae lectus. In blandit massa aliquam felis feugiat fringilla.

3.2.2 *Grafiken mit Subfloat*

Quisque non massa neque. In at placerat lacus. Integer urna augue, laoreet ac mattis sed, posuere ut turpis. Nunc a metus quis elit placerat ultricies vel a eros. Quisque condimentum aliquet fermentum. Integer arcu est, suscipit quis lacinia at, volutpat nec tortor. Proin feugiat tristique est eget luctus. Suspendisse porta mauris sed sapien egestas sit amet volutpat tellus ultricies. Nulla vulputate semper turpis sed blandit. Phasellus at tortor pulvinar nisi luctus gravida.

(a) Asia personas duo.

(b) Pan ma signo.

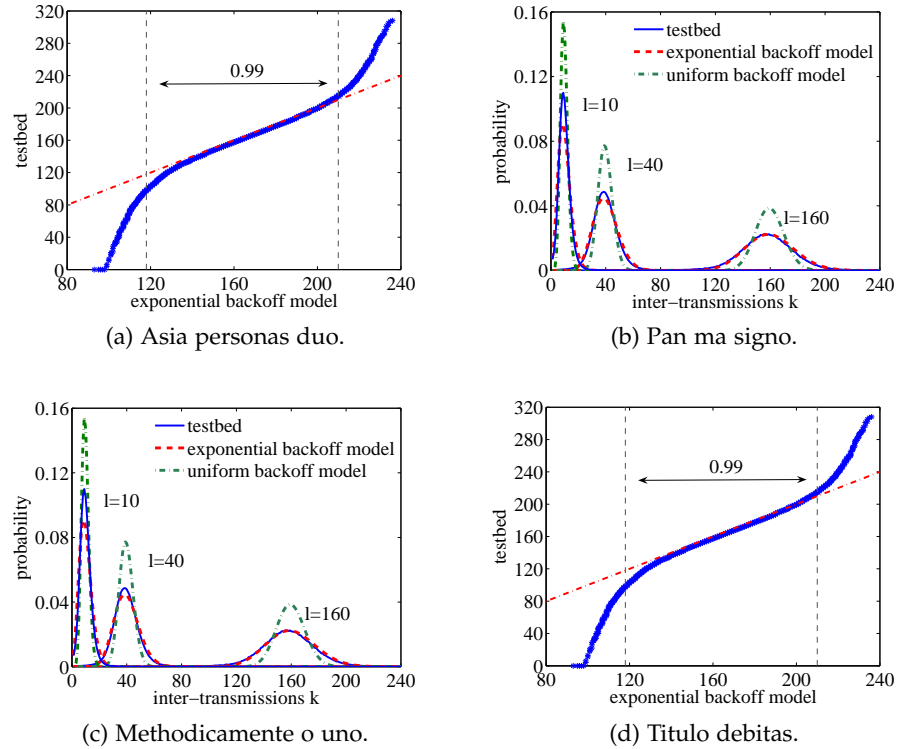(c) Methodicamente o uno.

(d) Titulo debitas.

Abbildung 3.2: Mit Subfloat lassen sich mehrere Grafiken neben- und untereinander darstellen. Jeder Figure kann dabei mit einem eigenen Text versehen werden.

3.2.3   *Grafiken mit Minipage*

Donec gravida consequat arcu, et mollis tortor posuere vitae. Sed pharetra turpis a ante commodo accumsan. Suspendisse leo nulla, accumsan sit amet dapibus in, posuere eget turpis. Vivamus enim sapien, porta id placerat eget, laoreet sed massa. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos.
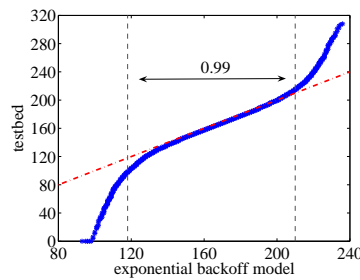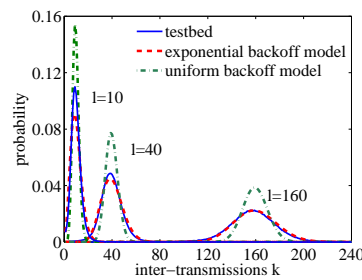

Abbildung 3.3: Minipage-Grafik Nummero uno

Abbildung 3.4: Minipage-Grafik Nummer zwei

In vitae est eget velit mattis lobortis. In hac habitasse platea dictumst. Quisque aliquam quam et justo pellentesque ullamcorper. Curabitur ele-

mentum mattis leo facilisis tincidunt. Fusce posuere viverra ultricies. Cras eget velit et ipsum gravida imperdiet et hendrerit orci.

Maecenas fringilla viverra urna ut egestas. Nulla sagittis molestie libero eget luctus. Nulla non odio sit amet magna vehicula tincidunt. Nulla accumsan ornare placerat. In posuere scelerisque quam, sed posuere urna eleifend quis. Pellentesque sed quam quis dui vulputate convallis ut ac diam. In hac habitasse platea dictumst. Donec molestie auctor dapibus. Vivamus in erat risus, ut aliquet diam. Duis vel velit ante, id ullamcorper turpis. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In accumsan ornare tellus a porttitor. Etiam facilisis dui et sem eleifend id luctus nisl scelerisque. Aenean quis commodo libero. Nulla quis semper dolor.

3.3 TABELLEN

Sed lobortis vestibulum euismod. Vivamus vestibulum gravida nisi vitae condimentum. Nullam nec lacus nibh. Phasellus arcu magna, varius eget viverra a, elementum eu dolor. Aliquam erat volutpat. Sed nibh leo, vestibulum quis lacinia in, vestibulum sollicitudin nulla. In iaculis, purus in imperdiet sagittis, tortor diam pellentesque lectus, eget faucibus ante elit at tortor.

3.4 LISTINGS

Aliquam ut pretium lectus. Curabitur in eros et sapien aliquet luctus ut sit amet eros. Proin et libero non mi venenatis aliquet at sed lorem. Ut sed enim mi, id viverra eros. Cras metus ante, placerat id commodo at, molestie non libero. Aenean eu risus erat, vel consequat metus. Sed malesuada metus sit amet nisl viverra hendrerit.

3.5 EQUATIONS

Pellentesque sed quam quis dui vulputate convallis ut ac diam. In hac habitasse platea dictumst. Donec molestie auctor dapibus. Vivamus in erat risus, ut aliquet diam. Duis vel velit ante, id ullamcorper turpis.

$$U = R * I \tag{3.1}$$

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In accumsan ornare tellus a porttitor. Etiam facilisis dui et sem eleifend id luctus nisl scelerisque. Aenean quis commodo libero. Nulla quis semper dolor.

$$I = \frac{U}{R} \tag{3.2}$$

In the following we use probability theory to derive closed-form expressions for the fairness that is achieved among M contending stations. We tag station M and denote K_i the inter-transmissions of station $i = 1 \ldots M - 1$

and let $K = \sum_{i=1}^{M-1} K_i$. The conditional probability $P[K = k|l]$ can be defined for $M \geqslant 2$ as

$$P[K = k|l] = P\left[\sum_{i=1}^{M-1} K_i = k \middle| l\right] \tag{3.3}$$

where the random variables K_i are the integers that satisfy

$$\sum_{j=1}^{K_i} b_i(j) \leqslant \sum_{j=1}^{l} b_M(j) \quad \text{and} \quad \sum_{j=1}^{K_i+1} b_i(j) > \sum_{j=1}^{l} b_M(j).$$

3.6 THEOREM AND PROOF

We use the central limit theorem to derive the long-term fairness. In the sequel, we denote normal random variables $N(\mu, \sigma^2)$ where μ is the mean and σ^2 the variance.

Theorem 1 (Gaussian approximation) *Let the* $b_i(j)$ *be i.i.d. random variables with mean* μ *and variance* σ^2 *and let* $M = 2$. *For* $k, l \gg 1$ *(3.3) is approximately Gaussian where*

$$P[K \leqslant k|l] \approx P\left[N(0, 1) \leqslant \frac{\mu(k-l)}{\sigma\sqrt{k+l}}\right].$$

Proof   For $M = 2$ we have from (3.3) that

$$P[K < k|l] = P\left[\sum_{j=1}^{k} b_1(j) > \sum_{j=1}^{l} b_2(j)\right]$$

and after expansion and some normalization this equals

$$= P\left[\frac{\sum_{j=1}^{l} b_2(j) - l\mu}{\sigma\sqrt{l}} - \frac{\sum_{j=1}^{k} b_1(j) - k\mu}{\sigma\sqrt{l}} < \frac{\mu(k-l)}{\sigma\sqrt{l}}\right].$$

Using the central limit theorem it follows that

$$P[K < k|l] \approx P\left[N(0, 1) - N\left(0, \frac{k}{l}\right) < \frac{\mu(k-l)}{\sigma\sqrt{l}}\right].$$

Since the normal distribution with zero mean is symmetric we can replace the subtraction of $N(0, k/l)$ by addition. Furthermore, the sum of two normal random variables $N(\mu_1, \sigma_1^2)$ and $N(\mu_2, \sigma_2^2)$ is normal with $N(\mu_1 + \mu_2, \sigma_1^2 + \sigma_2^2)$ such that

$$P[K < k|l] \approx P\left[N\left(0, \frac{k+l}{l}\right) < \frac{\mu(k-l)}{\sigma\sqrt{l}}\right].$$

Finally, we use that if X is $N(a\mu, a^2\sigma^2)$ then $Y = X/a$ is $N(\mu, \sigma^2)$ with $a^2 = (k+l)/l$ to standardize the result.   ∎

Th. 1 assumes i.i.d. random countdown values. It does, however, not make any assumption about their distribution.

Teil II

APPENDIX - SOME KIND OF MANUAL

INTRODUCTION TO THE CLASSICTHESIS STYLE

This bundle for LATEX has two goals:

1. Provide students with an easy-to-use template for their Master's or PhD thesis. (Though it might also be used by other types of authors for reports, books, etc.)

2. Provide a classic, high quality typographic style which is inspired by Bringhurst's "*The Elements of Typographic Style*" [2].

A Classic Thesis Style Version 2.6.1

The bundle is configured to run with a *full* MiKTEX or TEXLive[1] installation right away and, therefore, it uses only freely available fonts. (Minion fans can easily adjust the style to their needs.)

People interested only in the nice style and not the whole bundle can now use the style stand-alone via the file classicthesis.sty. This works now also with "plain" LATEX.

This should enable anyone with a basic knowledge of LATEX 2ε to produce beautiful documents without too much effort. In the end, this is my overall goal: more beautiful documents, especially theses, as I am tired of seeing so many ugly ones.

The whole template and the used style is released under the GNU General Public License.

If you like the style then I would appreciate a postcard:

<div align="center">

Andre Miede
Detmolder Strasse 32
31737 Rinteln
Germany

</div>

The postcards I got so far are available at http://postcards.miede.de.

Hopefully, this thesis template is done well enough for your needs and does not have too many flaws. So far, a couple of theses have been typeset successfully with it. If you are interested in some typographic details behind it, enjoy Robert Bringhurst's wonderful book.

A well-balanced line width improves the legibility of the text. That's what typography is all about, right?

IMPORTANT NOTE: Some things of this style might look unusual at first glance, many people feel so in the beginning. However, all things are intentionally designed to be as they are, especially these:

- No bold fonts are used. Italics or spaced small caps do the job quite well.

---

[1] See the file LISTOFFILES for needed packages. Furthermore, classicthesis works with most other distributions and, thus, with most operating systems LATEX is available for.

- The size of the text body is intentionally shaped like it is. It supports both legibility and allows a reasonable amount of information to be on a page. And, no: the lines are not too short.

- The tables intentionally do not use vertical or double rules. See the documentation for the `booktabs` package for a nice discussion of this topic.[2]

- And last but not least, to provide the reader with a way easier access to page numbers in the table of contents, the page numbers are right behind the titles. Yes, they are *not* neatly aligned at the right side and they are *not* connected with dots that help the eye to bridge a distance that is not necessary. If you are still not convinced: is your reader interested in the page number or does she want to sum the numbers up?

Therefore, please do not break the beauty of the style by changing these things unless you really know what you are doing! Please.

A.1   ORGANIZATION

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

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 BibTeX database to organize all the references you might want to cite.

- `classicthesis.sty`: the style definition to get this awesome look and feel.

- `ClassicThesis.tcp` a TeXnicCenter project file. Great tool and it's free!

- `ClassicThesis.tex`: the main file of your thesis where all gets bundled together.

- `classicthesis-ldpkg.sty`: a central place to load all nifty packages that are used. The package has the following options available:

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2 To be found online at
http://www.ctan.org/tex-archive/macros/latex/contrib/booktabs/.

- nochapters, which defaults to `false`. Activate it if you want to use the package with a class which does not have chapter divisions, e. g., an article.

- backref, which also defaults to `false`. Activate it if you do want to show in the bibliography on which page(s) each reference was cited. for an example of the default setting.

This should get you started in no time.

A.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.

- 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.

- 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.

- 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.

- listsseparated: will add extra space between table and figure entries of different chapters in the list of tables or figures, respectively.

- tocaligned: aligns the whole table of contents on the left side. Some people like that, some don't.

- subfig(ure): is passed to the `tocloft` package to enable compatibility with the subfig(ure) package.

- 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.

- 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.)

- parts: if you use Part divisions for your document, you should choose this option. It provides you with the command `\myPart{}` which takes care of the style and the entry into the Table of Contents. (Cannot be used together with nochapters.)

- `a5paper`: adjusts the page layout according to the global `a5paper` option (*experimental* feature).

- `minionpro`: sets Robert Slimbach's Minion as the main font of the document. The textblock size is adjusted accordingly.

- `pdfspacing`: makes use of pdftex' letter spacing capabilities via the `microtype` package.[3] 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.

- `dottedtoc`: sets pagenumbers flushed right in the table of contents.

- `listings`: loads the `listings` package (if not already done) and configures the List of Listings accordingly.

- `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.

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

To make things in general easier, `classicthesis-ldpkg.sty` contains some useful commands that might help you.

A.3 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 LATEXnicians.

Please do not send me email with questions concerning 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.

A.4 LICENSE

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3 Use `microtype`'s `DVIoutput` option to generate DVI with pdftex.

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A.5 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.

LITERATURVERZEICHNIS

[1] Jon Bentley. *Programming Pearls*. Addison–Wesley, Boston, MA, USA, 2nd edition, 1999.

[2] Robert Bringhurst. *The Elements of Typographic Style*. Version 2.5. Hartley & Marks, Publishers, Point Roberts, WA, USA, 2002.

[3] Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein. *Introduction to Algorithms*. The MIT Press, Cambridge, MA, USA, 2nd edition, 2001.

[4] Gunter Dueck. *Dueck's Trilogie: Omnisophie – Supramanie – Topothesie*. Springer, Berlin, 2005. http://www.omnisophie.com.