



¡ Seminar work ¿

University of Applied Science - Online

Study-branch: PLEASE ADAPT ALL ASPECTS TO MATCH REQUIREMENTS

**¡THIS IS THE TITLE TO BE ADAPTED¿**

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realized in....

Advisor: ¡Advisor¿

Realized with input of the Parameter Generator: ¡Signature-Hash¿  $\Omega \longrightarrow R^2$

Delivery date: 1.1.1970

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## I List of Figures

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### III Abbreviations

<b>AFL</b>	American Fuzzy Lop
<b>API</b>	Application Programming Interface
<b>BIOS</b>	Basic Input/Output System
<b>Brick</b>	Binary Run-time Integer Based Vulnerability Checker
<b>CaaS</b>	Container as a Service
<b>CAB</b>	Change Advisory Board
<b>CE</b>	Community Edition
<b>CI</b>	Continuous Integration
<b>CLI</b>	Command Line Interface
<b>CNCF</b>	Cloud Native Computing Foundation
<b>CRED</b>	C Range Error Detector
<b>Dev</b>	Development, the development team

# 1 Latex

## 1.1 Tools

MiKTeX: <https://miktex.org/download> TeXLive: <http://tug.org/texlive/> (or alternative LaTeX-systems).

A good editor is essential. Sometimes combined editors and compilers (e.g. TeXShop) can be really productive. Make sure you learn the use of synchronized navigation then.

A vector graphic is one where strokes remain strokes even at the highest resolutions: e.g. the Figure 1 or the Logo on the Titelblatt (notice: you can click from here to there). Many tools generate vector-graphics for plots from any data-set. E.g. Plotly (with the use of the Browser-Print), Matplotlib or even OpenOffice, LibreOffice or MS-Excel.

## 1.2 Literature References

Here is an example of a reference with a page-number: (Dueck, 2016, S. 6)

## 1.3 Pictures

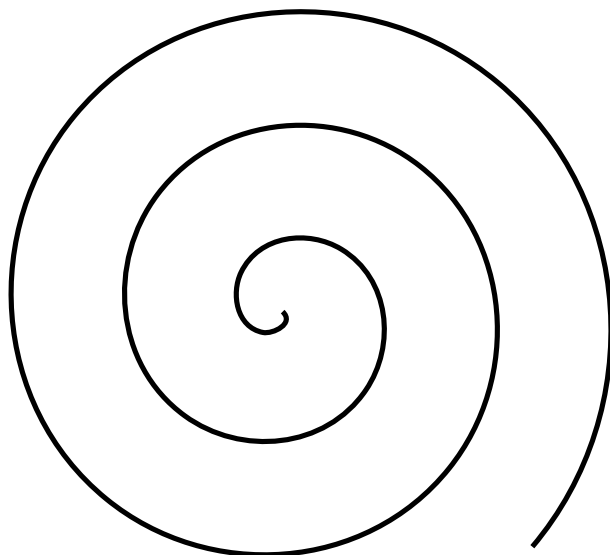


Figure 1: A spiral... smooth vector-based with a clean parametrisation!  
Nothing to do with (Gage, 2018)

## 1.4 Tables

“ Industrial era ”	“Jobs ”	“ Wanted: Upgrade”
Parts exchanger	Fitter	mecatronics special-ist
eShop	reseller	“ Client-suggester”
“ Coding-guru”	Softwaredesign	Whole-life designer
JA! Gut & Günstig	brand-names	“ Life-Style Feeling”
Internetbanking	Bank clerk	Customer adviser
Robots	Specialist	Machine supervisor
Bush	Gardener	Nature-sculptor
Painting	Painter	Interior Design

Table 1: Downgrade and Upgrade of job denominations  
(Dueck, 2016)

## 1.5 Listes

- one
- twoi
- threei

1. first
2. second
3. third

## 1.6 Formulæ

A formula can be written inline, e.g. as  $\frac{d}{dx}\arctg(x) = \frac{1}{1+x^2}$  or, in centered math:

$$\frac{d}{dx}\arctg(x) = \frac{1}{1+x^2} \quad (1.1)$$

Notice that formulæ that are centered start bigger (technically, they start in `\displaystyle`) than they start inline (technically, they start in `\textstyle` all subsequents reductions, e.g. an exponent, goes to `\scriptstyle` then `\scriptscriptstyle`). Indeed a best effort is made so that inline formulæ do not change the line height which would bother the eye of a reader.

Formulæ can be given a number and a label. Numbering happens automatically with `\begin{equation}` and `\end{equation}` and can be avoided if enclosing the formula between `\[` and `\]`. If using the `\label` macro inside, you can refer automatically to this equation using `\ref{label}`. E.g. Thanks to equation 1.1 one dare say that:

$$\int_0^t \frac{1}{1+x^2} dx = \arctan(t) \quad (1.2)$$

## 1.7 Tools and Code

Many users of this template will want to include some code.

The simplest way to do so is to use the `\verb` macro which is followed by a sign, then some code, then the sign again to close. This is the inline version which works as in:

As we could calculate with `\autocite{Wolfram_alpha}` using  
`\verb_integrate 1 / pi e ^ (t/pi) from zero to infinity_.`

which yields:

As we could calculate with Wolfram Inc. (2021) using `integrate 1 / pi e ^ (t/pi) from zero to infinity.`

The multiline version of this is called `\begin{verbatim}` and finishes with `\end{verbatim}`.

## 1.8 Citation examples

Monography (Lieber, 2019, S. 22)

Collection (Müller & Mustermann, 2019)

Article (Schülers, 2021)



## 2 Bibliography

- Dueck, G. (2016). Zwischen industrialisierendem Downgrade und notwendigem Upgrade/Empowerment [(auf dem AKAC-Kongress).].
- Gage, J. (2018). Introduction to Microservices [(URL: <https://blog.algorithmia.com/introduction-to-microservices/> [last access: 02.06.2019]).].
- Liebel, O. (2019). *Skalierbare Container-Infrastrukturen*. Rheinwerk Verlag.
- Müller, P., & Mustermann, M. (2019). Artikel in Sammelband [(Hrsg.: Sammelband für IUBH.)]. Rheinwerk Verlag.
- Schülers. (2021). Zeitschriftenartikel [In: Frankfurter Allgemeine Zeitung], 10. S. 10 –14.
- Wolfram Inc. (2021). Wolfram — Alpha [(URL: <https://wolframalpha.com> [last access 10.06.2021])].

**List of Annexes**

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## **A Annexes (optional)**

This is an annex

## Eidesstattliche Erklärung

I hereby certify...

.....

Place, date

.....

Signature