

About Beer and Chips

(Original Queries without Processing)

Contents

Foreword	2
About the Author	2
About Beer	3
Beer in our daily life	3
Beer in mathematics	3
Beer in engineering	3
Beer in modern art	3
About Chips	4
Chips in our daily life	4
Chips in mathematics	4
Chips in engineering	4
Chips in modern art	4
Relations	5
Relations between Beer and Chips	5
Synergies	6
Synergies between Beer and Chips	6
Importance for a safe and sustainable Future	7
Conclusions	8
Acknowledgements	9
Appendix A: Structure Code Used for Generation of Queries	10
File <code>mk_document.sh</code>	10
File <code>config.sh</code>	10
File <code>foreword.sh</code>	11
File <code>about.sh</code>	11
File <code>relations.sh</code>	12
File <code>synergies.sh</code>	12
File <code>importance.sh</code>	12
File <code>conclusions.sh</code>	13
File <code>acknowledgements.sh</code>	13

Foreword

write a foreword for the book About Beer and Chips

About the Author

write something about Meta AI's Large Language Model 7B

About Beer

write something about Beer in general

Beer in our daily life

write something about Beer in our daily life

in context: continue with additional aspects about Beer in our daily life

in context: continue with additional aspects about Beer in our daily life

Beer in mathematics

write something about Beer in mathematics

in context: continue with additional aspects about Beer in mathematics

in context: continue with additional aspects about Beer in mathematics

Beer in engineering

write something about Beer in engineering

in context: continue with additional aspects about Beer in engineering

in context: continue with additional aspects about Beer in engineering

Beer in modern art

write something about Beer in modern art

in context: continue with additional aspects about Beer in modern art

in context: continue with additional aspects about Beer in modern art

About Chips

write something about Chips in general

Chips in our daily life

write something about Chips in our daily life

in context: continue with additional aspects about Chips in our daily life

in context: continue with additional aspects about Chips in our daily life

Chips in mathematics

write something about Chips in mathematics

in context: continue with additional aspects about Chips in mathematics

in context: continue with additional aspects about Chips in mathematics

Chips in engineering

write something about Chips in engineering

in context: continue with additional aspects about Chips in engineering

in context: continue with additional aspects about Chips in engineering

Chips in modern art

write something about Chips in modern art

in context: continue with additional aspects about Chips in modern art

in context: continue with additional aspects about Chips in modern art

Relations

write something about Relations between the terms Beer and Chips in general

Relations between Beer and Chips

write something about Relations between Beer and Chips

in context: continue with additional aspects about Relations between Beer and Chips

in context: continue with additional aspects about Relations between Beer and Chips

Synergies

write something about Synergies between Beer and Chips in general

Synergies between Beer and Chips

write something about Synergies between Beer and Chips

in context: continue with additional aspects about Synergies between Beer and Chips

in context: continue with additional aspects about Synergies between Beer and Chips

Importance for a safe and sustainable Future

line out the problem of carbon energies the danger of nuclear power plants and the importance of a great switch to sustainable energies

line out the importance of Beer and Chips for the future of enabling sustainable energy

explain how Beer and Chips can improve the efficiency of power distribution network

explain how Beer and Chips can improve demand side management

explain how Beer and Chips can help to avoid peaks in power demand

in context: line out how Beer and Chips, like which is done at the RWTH Institute for Automation of Complex Powersystems (ACS) can lead to a noticable better result in the field of sustainable energy

Conclusions

write final conclusions about relations and synergies between Beer and Chips

write final conclusions about how Beer and Chips can enable sustainable energies like shown at RWTH Institute for Automation of Complex Power Systems research

write final conclusions for the book About Beer and Chips

Acknowledgements

write acknowledgements for the book About Beer and Chips

Appendix A: Structure Code Used for Generation of Queries

File `mk_document.sh`

```
Code
. config.sh

. foreword.sh >foreword.md

TOPIC="Beer"
. about.sh >about_beer.md

TOPIC="Chips"
. about.sh >about_chips.md

. relations.sh >relations.md
. synergies.sh >synergies.md
. importance.sh >importance.md
. conclusions.sh >conclusions.md
. acknowledgements.sh >acknowledgements.md
```

File `config.sh`

```
Code
# GENERAL OPTIONS
TECHNOLOGY="Beer and Chips"
TITLE="About $TECHNOLOGY"
AUTHOR="(Original Queries without Processing)"

# CHAPTER OPTIONS
CHAPTERS="foreword.md about_beer.md about_chips.md relations.md synergies.md importance.md conclusions.md
↪ acknowledgements.md"

# PDF OPTIONS
FORMAT="-V documentclass=report -V eometry:margin=3.0cm -V geometry:a4paper"
# FORMAT="-V documentclass=book"
OUTFILE="AboutBeerDebug.pdf"

# AI OPTIONS
LLAMA_MODEL="7B"
LLAMA_OPTIONS_Q="-n 128 -c 1024 --temp 0.1 -m weights/$LLAMA_MODEL.bin --n_parts 1 --top_k 20 --top_p 0.25"
LLAMA_OPTIONS_C="-n 512 -c 1024 --temp 0.1 -m weights/$LLAMA_MODEL.bin --n_parts 1 --top_k 20 --top_p 0.25
↪ --repeat_last_n 128 --repeat_penalty 1.3"

# DEBUG OPTIONS (comment out debug for no debug)
DEBUG="1"
```

File foreword.sh

```
Code
A="./q.sh write something about Meta AI\'s Large Language Model $LLAMA_MODEL"
Q="./q.sh write a foreword for the book $TITLE"

echo "# Foreword"
$Q
echo

echo "## About the Author"
$A
```

File about.sh

```
Code
. qdefault.sh

echo "# About $TOPIC"
$Q in general
echo

echo "## $TOPIC in our daily life"
$Q in our daily life
echo
$C in our daily life
echo
$C in our daily life
echo

echo "## $TOPIC in mathematics"
$Q in mathematics
echo
$C in mathematics
echo
$C in mathematics
echo

echo "## $TOPIC in engeneering"
$Q in engeneering
echo
$C in engeneering
echo
$C in engeneering
echo

echo "## $TOPIC in modern art"
$Q in modern art
echo
$C in modern art
echo
$C in modern art
echo
```

File relations.sh

```
Code
TOPIC="Relations"

. qdefault.sh

echo "# $TOPIC"
$Q between the terms $TECHNOLOGY in general
echo

echo "## $TOPIC between $TECHNOLOGY"
$Q between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
```

File synergies.sh

```
Code
TOPIC="Synergies"

. qdefault.sh

echo "# $TOPIC"
$Q between $TECHNOLOGY in general
echo

echo "## $TOPIC between $TECHNOLOGY"
$Q between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
$C between $TECHNOLOGY
echo
```

File importance.sh

```
Code
Q="./q.sh"
C="./c.sh"

echo "# Importance for a safe and sustainable Future"
$Q "line out the problem of carbon energies the danger of nuclear power plants and the importance of a great
↪ switch to sustainable energies"
echo
$Q "line out the importance of $TECHNOLOGY for the future of enabling sustainable energy"
echo
$Q "explain how $TECHNOLOGY can improve the efficiency of power distribution network"
echo
$Q "explain how $TECHNOLOGY can improve demand side management"
echo
$Q "explain how $TECHNOLOGY can help to avoid peaks in power demand"
echo
$C "line out how $TECHNOLOGY, like which is done at the RWTH Institute for Automation of Complex Powersystems
↪ (ACS) can lead to a noticable better result in the field of sustainable energy"
echo
```

File conclusions.sh

```
Code
Q="./q.sh write final conclusions"

echo "# Conclusions"
$Q about relations and synergies between $TECHNOLOGY
echo
$Q about how $TECHNOLOGY can enable sustainable energies like shown at RWTH Institute for Automation of
  ↳ Complex Power Systems research
echo
$Q for the book $TITLE
echo
```

File acknowledgements.sh

```
Code
Q="./q.sh write acknowledgements for the book $TITLE"

echo "# Acknowledgements"
$Q
echo
```