

Title of thisThesis

Your Name

**Ph. D. thesis
at the
Institute of Science
Dortmund**

Date

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1. Introduction

Introduction text...

1. Introduction

2. Theoretical Background

2.1. General Theoretical Background

Some information about the theory in general...

DeBoer [2] has shown...

2.2. Detailed Derivation

Detailed information...

2. *Theoretical Background*

3. Experiment

3.1. Experiment in general

3.2. Set-up

The set-up is illustrated in figure 3.1. It is obvious that...

PICTURE IN
PNG-FORMAT

Abbildung 3.1.: PNG-Picture below picture

3.3. Procedure

3. Experiment



Abbildung 3.2.: JPG-Picture below picture

4. Results

4.1. Data fitting

Some tables and graphs...

Material	$\rho(g/cm^3)$	$E(eV)$	$\lambda(\text{\AA})$	$10^6\delta$	$10^6\beta$	δ/β	$\alpha_c(^{\circ})$
Silicon (Si)	2,33	8049	1,541	7,60	0,173	43,93	0,223
		10640	1,165	4,32	0,058	75,00	0,168
Quartz (SiO ₂)	2,2	8049	1,541	7,13	9,200	0,78	0,216
		10640	1,165	4,06	0,030	133,99	0,163
Polystyrene (PS)	1,05	8049	1,541	3,50	0,0048	731,00	0,152
		10640	1,165	2,00	0,0015	1376,18	0,114
Gold (Au)	19,32	8049	1,541	47,10	48,500	9,72	0,556
		10640	1,165	26,12	1,760	14,84	0,414
Silver (Ag)	10,5	8049	1,541	29,40	2,660	11,10	0,439
		10640	1,165	16,76	0,938	17,87	0,332
Aluminium (Al)	2,699	8049	1,541	8,47	0,155	54,60	0,236
		10640	1,165	4,82	0,051	93,96	0,178
Copper (Cu)	8,96	8049	1,541	24,40	0,549	44,40	0,400
		10640	1,165	14,61	1,540	9,49	0,310
Water (H ₂ O)	1,00	8049	1,541	3,58	0,0199	179,94	0,153
		10640	1,165	2,04	0,0038	544,55	0,116

Tabelle 4.1.: Dispersion δ and absorption β of materials used in this work at photon energies 8,049 keV and 10,640 keV

4.2. Results and Evaluation

Some results...

More results...

4. *Results*

5. Summary and Outlook

Summary of main results and Outlook for future proceedings...

5. *Summary and Outlook*

A. Appendix I

A.1. Topix A2

A. Appendix I

B. Appendix II

B.1. Topic B1

B. Appendix II

Literaturverzeichnis

- [1] Likwan Cheng, Paul Fenter, Neil C. Sturchio, Zhong Zhong and Michael J. Bedzyk
X-ray standing wave study of arsenite incorporation at the calcite surface
Geochimica et Cosmochimica Acta 63, 3153-3157 (1999)
- [2] D. K. G. de Boer
Glancing-Incidence X-ray Fluorescence of Layered Materials
Phys. Rev. B 44, 498 (1991)

Literaturverzeichnis

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Eidesstattliche Erklärung

Hiermit erkläre ich an Eides Statt, daß die vorliegende Promotionsarbeit - abgesehen von der Beratung durch meine wissenschaftlichen Betreuer - nach Inhalt und Form meine eigene Arbeit ist. Sie wurde weder ganz noch in Teilen an anderer Stelle im Rahmen eines Prüfungsverfahrens vorgelegt.

Dortmund, April 2007

.....
(Markus Krämer)

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