

X-ray optics in new instruments for astro- and astroparticle physics

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Summary

This is the summary/abstract

Resumé

På dansk ...

Preface

!!!!!!PLACEHOLDER!!!!!!

This thesis was prepared at Informatics Mathematical Modelling, the Technical University of Denmark in partial fulfillment of the requirements for acquiring the Ph.D. degree in engineering.

The thesis deals with different aspects of mathematical modeling of systems using data and partial knowledge about the structure of the systems. The main focus is on extensions of non-parametric methods, but also stochastic differential equations and neural networks are considered.

The thesis consists of a summary report and a collection of ten research papers written during the period 1996–1999, and elsewhere published.

Lyngby, August 2014

Anders Clemen Jakobsen

Papers included in the thesis

- [A] Henrik Aalborg Nielsen, Torben Skov Nielsen, Alfred Karsten Joensen, Henrik Madsen, and Jan Holst. Tracking time-varying coefficient-functions. *Int. J. of Adaptive Control and Signal Processing*, 1999. Preliminary accepted for publication.

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Contents

Summary	i
Resumé	iii
Preface	v
Papers included in the thesis	vii
Acknowledgements	ix
1 Introduction	1
1.1 X-ray optics described	1
1.2 X-ray telescopes described	1
2 Designing a telescope	3
2.1 This is a new section	3
3 DTU Space coating facility	5
3.1 This is a new section	5
4 Coatings for ATHENA	7
4.1 This is a new section	7
5 Coatings for CAST	9
5.1 This is a new section	9
A Tracking time-varying coefficient-functions	11

CHAPTER 1

Introduction

1.1 X-ray optics described

1.2 X-ray telescopes described

1.2.1 This is a new subsection

CHAPTER 2

Designing a telescope

2.1 This is a new section

2.1.1 This is a new subsection

CHAPTER 3

DTU Space coating facility

3.1 This is a new section

3.1.1 This is a new subsection

CHAPTER 4

Coatings for ATHENA

4.1 This is a new section

4.1.1 This is a new subsection

CHAPTER 5

Coatings for CAST

5.1 This is a new section

5.1.1 This is a new subsection

APPENDIX A

Tracking time-varying coefficient-functions

Preliminary accepted for publication in *Int. J. of Adaptive Control and Signal Processing*. A version with more details is available as IMM technical report number 1999-9.

