



Instrument Systems for Imaging Spectro-Polarimetry

By Alex J. Feller

Cuvillier Verlag Apr 2008, 2008. Taschenbuch. Book Condition: Neu. 211x147x14 mm. Neuware - This thesis is devoted to the development and the application of novel instrument systems and measuring techniques in the field of solar polarimetry. The work is split into three parts, each part addressing an independent project in terms of scientific objectives and implementation. In the first part I describe the development and implementation of a tunable narrow-band filter system to be used in combination with the Zurich Imaging Polarimeter for quasi-monochromatic imaging vector polarimetry. Its working range covers the visible spectrum between 390 nm and 660 nm. The bandwidth varies between 2 pm and 12 pm, depending on wavelength and optical setup. The main filter components are two lithium-niobate Fabry-Pérot interferometers which can be tuned by applying a voltage or by changing the temperature. In the current version of the instrument the interferometers are used in series in a single-pass tandem configuration. The filter system will allow us to explore the spatial structuring of the polarized solar spectrum, including vector mapping of the Hanle and Zeeman effects in any spectral line. First polarimetric images recorded at the SST and at IRSOL in the spectral lines of Ca I...

DOWNLOAD



READ ONLINE

[3.65 MB]

Reviews

I actually started reading this publication. It is full of knowledge and wisdom You wont sense monotony at at any time of your respective time (that's what catalogs are for relating to should you check with me).

-- **Vilma Bayer III**

Most of these ebook is the ideal pdf readily available. it was actually writtern quite flawlessly and valuable. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Prof. Jordy Kihn**

Other eBooks



[Readers Clubhouse Set B Time to Open](#)

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. 222 x 148 mm. Language: English . Brand New Book. This is volume nine, Reading Level 2, in a comprehensive program (Reading Levels 1 and 2)for beginning readers. Two nine-book sets...



[Ne ma Goes to Daycare](#)

AUTHORHOUSE, United States, 2015. Paperback. Book Condition: New. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This book is about a little biracial (African American/Caucasian) girl s first day of daycare and preparing her for kindergarten....



[Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. \[Us English\]](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



[101 Ways to Beat Boredom: NF Brown B/3b](#)

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, 101 Ways to Beat Boredom: NF Brown B/3b, Anna Claybourne, This title is part of Bug Club, the first whole-school reading programme to combine books with an online reading world to teach today's...



[Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned](#)

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English . Brand New Book ***** Print on Demand *****.Mr. George Smith, a children s book author, has been conducting writing workshops at schools since 2004....



[Book Finds: How to Find, Buy, and Sell Used and Rare Books \(Revised\)](#)

Perigee. PAPERBACK. Book Condition: New. 0399526544 Never Read-12+ year old Paperback book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!! * L...