



Magnetization Dynamics in Spin Valves

By Wegelin, Frederik

Condition: New. Publisher/Verlag: Südwestdeutscher Verlag für Hochschulschriften | A study using Time Resolved Photo_Emission Electron Microscopy in combination with X_ray Circular Dichroism (TR-PEEM-XMCD) | Key technology applications like magnetoresistive sensors or the Magnetic Random Access Memory (MRAM) require reproducible magnetic switching mechanisms. i.e. predefined remanent states. At the same time advanced magnetic recording schemes push the magnetic switching time into the gyromagnetic regime. Objects of study in this study are antiparallel pinned synthetic spin valves as they are extensively used as read heads in today's magnetic storage devices. Results are reported of element specific Time Resolved Photo_Emission Electron Microscopy (TR_PEEM) to image the magnetization dynamics of the free layer alone via X_ray Circular Dichroism (XMCD). The observation of magnetic switching processes in the gigahertz range became possible due to the joined effort of producing ultra_short X_ray pulses at BESSY II and optimizing the wave guide design of the samples for high frequency electromagnetic excitation. It could be shown that the magnetization dynamics of the free layer of a GMR spin valve stack deviates significantly from a simple phase coherent rotation. | Format: Paperback | Language/Sprache: english | 112 pp.



READ ONLINE
[6.77 MB]

Reviews

This publication will not be easy to get going on reading but really exciting to read through. it was writtern really perfectly and beneficial. I found out this pdf from my i and dad suggested this publication to find out.

-- **Garrett Adams**

A fresh electronic book with a new viewpoint. I was able to comprehended every thing using this written e pdf. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Isom Nader I**

Related PDFs



[Daddyteller: How to Be a Hero to Your Kids and Teach Them What's Really by Telling Them One Simple Story at a Time](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand *****.You have the power, Dad, to influence and educate your child. You can teach your child about a virtue or...



[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...



[Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .](#)

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



[From Dare to Due Date](#)

Harlequin, United States, 2016. Paperback. Book Condition: New. Not for Online.. 168 x 104 mm. Language: English . Brand New Book. THE NIGHT THEY MADE A BABY Mia Palinski had never even considered herself the kind of girl to have a one-night...



[365 Games Smart Toddlers Play, 2E: Creative Time to Imagine, Grow and Learn](#)

Sourcebooks, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Table of Contents Section One: Day-to-Day Life Chapter 1: Toddler Survival Tips Parent-to-Parent Bonding Stay Safe Just the Two of You Time for Self Balancing Work...



[Story Time for Kids with NLP by The English Sisters - The Little Sparrow and The Chimney Pot](#)

MX Publishing. Paperback. Book Condition: new. BRAND NEW, Story Time for Kids with NLP by The English Sisters - The Little Sparrow and The Chimney Pot, Violeta Zugno, Jutka Zugno, Anna Kecskes, The Little Sparrow and the Chimney Top is the first...