


[DOWNLOAD](#)


## Diagnosis and Control of Plasma Instabilities in TOKAMAKS

By Mohsen Davoudi

LAP Lambert Academic Publishing Sep 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x10 mm. This item is printed on demand - Print on Demand Neuware - A crucial problem of research in thermonuclear plasma physics in Tokamaks is the control of rotating helical magnetic perturbations, associated with local distortions of the current density profile. These unstable perturbations (called magnetic islands) can seriously degrade plasma and energy confinement. By injecting energy to the magnetic islands using microwave antennas, a specific magnetic surface layer will be resonance and heated which causes the magnetic islands to disappear. The main goal of this book is to discuss about the implementation of reliable hardware and software structure which is capable of running estimator, observer and controller in real-time to achieve the MHD instability suppression in the FTU (Frascati Tokamak Upgrade) of ENEA in Frascati, Italy in collaboration with IFP-CNR in Milan. Design and realization of signal conditioning and insulation circuit for motor inverters I/O control signals, motors brake control circuit to activate faster motor braking by protection system, and design and implementation of high-speed communication algorithms among the FPGA and DSP modules have been another part of the authors contribution to this research. 172 pp. Englisch.



[READ ONLINE](#)

[ 4.2 MB ]

### Reviews

*The book is fantastic and great. It is loaded with knowledge and wisdom You are going to like the way the article writer create this ebook.*

-- **Amaya King**

*It in one of the best publication. It is definitely simplistic but excitement in the 50 % in the ebook. I am very happy to let you know that this is basically the greatest publication i have got go through within my own existence and could be he greatest pdf for ever.*

-- **Dr. Anya McKenzie**

## Other eBooks



**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...



**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. [British English]**

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 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...



**A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)**

Dover Publications, 2011. Paperback. Book Condition: New. No Jacket. New paperback book copy of A Dog of Flanders by Ouida (Marie Louise de la Ramee). Unabridged in easy to read type. Dover Children's Thrift Classic. Reprint of original edition. Green edition. Mineola...



**Dolphins and Porpoises Children Picture Book: Educational Information Differences about Dolphins Porpoises for Kids!**

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Rated 5 Stars - It s a fun, enlightening and instructive adventure into our oceans! Dolphins and Porpoises Children Picture...



**The About com Guide to Baby Care A Complete Resource for Your Babys Health Development and Happiness by Robin Elise Weiss 2007 Paperback**

Book Condition: Brand New. Book Condition: Brand New.



**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...