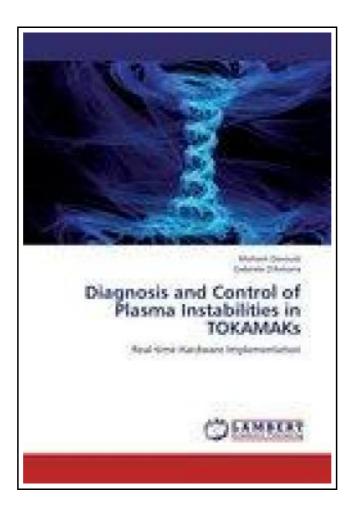
Diagnosis and Control of Plasma Instabilities in TOKAMAKS



Filesize: 5.08 MB

Reviews

Absolutely essential read publication. It is amongst the most incredible book i have study. Your lifestyle period will be convert when you full reading this ebook.

(Dr. Meaghan Streich V)

DIAGNOSIS AND CONTROL OF PLASMA INSTABILITIES IN TOKAMAKS



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 Diagnosis and Control of Plasma Instabilities in TOKAMAKs Online



See Also



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

Read Document »



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] (Paperback)

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...

Read Document »



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] (Paperback)

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...

Read Document »



The Java Tutorial (3rd Edition)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book...

Read Document »



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

Read Document »