Workshop on Active Control of MHD Stability: Extension of Performance
Columbia University, New York, USA
18-20 November 2002

Attendees

Invited Speakers

A. Bondesen (for Y. Liu), Chalmers Univ. MARS Modeling of Mode Control with Rotation
Andrea Garofalo, Columbia Reaching the Ideal Wall Beta Limit in DIII-D
Chris Hegna, Univ. Wisconsin Resolution of Issues for NTMs
Dave Humphries, General Atomics Feedback Control of ECCD for NTM Stabilization
Piero Martin, Padua The RFX mode control program: physics issues and plans
Filomena Nave, JET Control of Edge MHD in JET and ELM Control by Enhanced Radiation
G. Navratil, Columbia 5 yr Retrospective on Mode Control
Takahisa Ozeki, JAERI MHD Stability and Equilibrium for Current Hole Configuration
John Slough, Univ. Washington Rotation Control in FRCs
Steve Sabbagh, Columbia Error Field Correction & Plans for RWM Control in NSTX
John Sarff, Univ. Wisconsin RFP Performance Enhancement through MHD Mode Control
Kozo Yamazaki, NIFS Experimental Observation of MHD Activity in LHD
Contributed Papers:

Allen Boozer, Columbia Univ.  Effects of Rotation on RWM Feedback Control
Dylan Brennan, General Atomics (brennan@fusion.gat.com)  Avoidance of NTMs in High Performance DIII-D Plasmas
Cory Cates, Columbia Univ.  RWM Feedback Control Experiments on HBT-EP
John Finn, LANL (finn@lanl.gov)  Nonlinear Simulations of Feedback Controlled MHD Modes
Chris Hegna, Univ. Wisconsin (hegna@engr.wisc.edu)  Resolution of Issues for NTMs
Jenny-Ann Malmberg, KTH Stockholm (jennyann@fusion.kth.se)  RWM Studies in the EXTRAP T2R RFP
John Menard, PPPL (jmenard@pppl.gov)  Disruption dynamics in NSTX long-pulse discharges
David Maurer, Columbia Univ.  Optimized RWM Control Design and Experiments on HBT-EP
Yoshiro Narushima, NIFS (narushima@lhd.nifs.ac.jp)  Low-n Ideal Mode Driven by Large Toroidal Current in LHD
Akio Ishida, Niigata Univ. (ishida@sc.niigata-u.ac.jp)  Flowing Two-Fluid Equilibria of ST and CT
Mischio Okabayashi, PPPL (mokabaya@pppl.gov)  Lumped Parameter Model for Feedback Control
Toshihiro Oikawa, JAERI (oikawa@fusion.gat.com)  ELM Control by Edge Current Modification in JT-60
Satoshi Ohdachi, NIFS (ohdachi@nifs.ac.jp)  Sawtooth-like Phenomena in LHD
Shigefumi Okada, Osaka Univ. (okada@ppl.eng.osaka-u.ac.jp)  Control of Global Behavior of FRC Plasmas
Roberto Paccagnella, Padua (paccagnella@igi.pd.cnr.it)  Feedback Numerical Simulations for the RFP
Holger Reimerdes, Columbia Univ. (reimerdes@fusion.gat.com)  Rotation Profile Modifications by RWMs and Rotation Control with RWM Feedback
Amiya Sen, Columbia Univ. (amiya@ee.columbia.edu)  Optimum Control of RWM in Tokamaks in the Presence of Noise
Ted Strait, General Atomics (strait@fusion.gat.com)  Comparison of Sensors for RWM Control in a Simplified Analytic Model
Hank Strauss, NYU (strauss@cims.nyu.edu)  Simulation of Halo Currents in ITER with M3D
Attendees - not speaking

James Bialek, Columbia Univ. (jbialek@pppl.gov)
Rostom Dagazian, US DOE (rostom.dagazian@science.doe.gov)
Mikhail Gryaznevich, UKAEA (mikhail.gryaznevich@ukaea.org.uk)
Gary Jackson, General Atomics (jackson@fusion.gat.com)
Mike Mauel, Columbia University (mauel@columbia.edu)
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Stewart Prager, Univ. Wisconsin (scprager@facstaff.wisc.edu)
Steve Paul, PPPL (spaul@pppl.gov)