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Research and Technology Notes

- Development of ITER CODAC Compatible Gyrotron Local Control System and its Operation
..... ODA Yasuhisa, OHSHIMA Katsumi, NAKAMOTO Takashi, HASHIMOTO Yasunori,
YAMAMOTO Tsuyoshi, HAYASHI Kazuo, IKEDA Yukiharu, IKEDA Ryosuke,
KAJIWARA Ken, TAKAHASHI Koji and SAKAMOTO Keishi 365

Special Topic Articles

- Interactions between Plasmas and Nano-Interfaces
1. Study on Interactions between Plasmas and Nano-Interfaces: Current Status and Remaining Issues
..... SHIRATANI Masaharu 374
 2. Fluctuation of Low Pressure Processing Plasmas and Growth of Nanoparticles
..... SHIRATANI Masaharu and KOGA Kazunori 378
 3. Breakdown Phenomena and Nanomaterial Syntheses in Supercritical Fluid Plasmas
..... MUNEOKA Hitoshi and TERASHIMA Kazuo 384
 4. Integrated Multi-Phase-Media Plasma Source SHIRAFUJI Tatsuru 392
 5. Nanometer-Scale Surface Feature Fluctuation in Plasma Etching
..... ONO Kouichi, NAKAZAKI Nobuya, TSUDA Hirota, TAKAO Yoshinori and ERIGUCHI Koji 398
 6. Self-Organized Pattern Formation in Laser-Plasma Hybridized Processing of Boron Nitride Films
..... KOMATSU Shojiro 405

Lecture Note

- Advanced Simulation Techniques of Particle-in-Cell Code for High Density Relativistic Plasma
4. Modeling of Ionization in Particle Simulation KISHIMOTO Yasuaki and KATO Susumu 412
 5. Radiation Reaction Model in Particle Simulation NAKAMURA Tatsufumi 419

Mourning 426

PFR Abstracts 427

Information 429

Plasma & Fusion Calendar 432

Cover

Density contours in 2D extended MHD simulations of the Rayleigh-Taylor instability. Contour plots of the mass density ρ in simulations of single-fluid MHD model and extended MHD model are shown in Fig. (a) and (b), respectively. In (a), the two contour lines red and blue are relatively separated and the density contours change smoothly between them. In (b), the distance between the two contour lines is much narrower than that in (a) meaning that there is a sharp density gradient in (b). (Ryosuke GOTO *et al.*, Plasma and Fusion Research Vol.9, 1403076 (2014) <http://www.jspf.or.jp/PFR/>)