

# JOURNAL OF PLASMA AND FUSION RESEARCH

*The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research*

*Vol. 91, No.9, September 2015*

## Commentary

Shedding Light on Plasma Turbulence by Utilizing the Supercomputer K ..... MAEYAMA Shinya 589

## Lecture Note

MHD Dynamo: Spontaneous Generation of Magnetic Field by Flows

1. What is MHD Dynamo? ..... KAGEYAMA Akira 597

2. Turbulent Dynamos ..... YOKOI Nobumitsu 603

## Lecture Note

Ground and Orbit Experiment of Electro Static Discharge Phenomena Caused  
by Interactions between Spacecraft and Space Plasma

1. Introduction ..... CHO Mengu and MASUI Hirokazu 612

2. Discharge Phenomena on Spacecraft ..... CHO Mengu and MASUI Hirokazu 614

PFR Abstracts ..... 619

Information ..... 620

Plasma & Fusion Calendar ..... 631

Announcement ..... 632

## Cover

An innovative color measurement technique is employed in the Large Helical Device (LHD). This study provides a method for obtaining in broad spatial extent and in great detail the color information of the first wall relating to the thickness of the deposition layer. (a) is the layout and (b) is CAD showing the color distribution of the measured stainless steel plates. A typical plasma shape is also depicted in (b). (Gen MOTO-JIMA *et al.*, Plasma and Fusion Research Vol. 10, 1202074 (2015) <http://www.jspf.or.jp/PFR/>)



Published Monthly by

The Japan Society of Plasma Science and Nuclear Fusion Research

3-1-1, Uchiyama, Chikusa-ku, Nagoya 464-0075, Japan

Tel 052-735-3185, Fax 052-735-3485, E-mail: [plasma@jsof.or.jp](mailto:plasma@jsof.or.jp), URL: <http://www.jspf.or.jp/>