

# JOURNAL OF PLASMA AND FUSION RESEARCH

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

*Vol. 86, No.5, May 2010*

## Commentary

Warm-Dense-Matter Experiments Driven by Pulse Power Devices

..... HORIOKA Kazuhiko, SASAKI Toru, TAKAYAMA Ken and HASEGAWA Jun 269

## Commentary

The Homeward Journey of Asteroid Explorer "Hayabusa" Powered by the Ion Engines

..... HOSODA Satoshi and KUNINAKA Hitoshi 282

**New Books** ..... 294

**Information** ..... 295

**Plasma & Fusion Calendar** ..... 299

**Announcement** ..... 301

## Cover

The figure depicts the result of the measurement of the current density associated with the drift wave instability in the cylindrical helicon device VINETA. Shown is an example of a coherent  $m = 2$  drift wave mode in the azimuthal plane. The current is observed to form filaments parallel to the ambient magnetic field and shows the same structure and propagation as the associated plasma density fluctuations. (Olaf Grulke *et al.*, Plasma and Fusion Research Vol.5, 013 (2010) <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@jspf.or.jp, URL: <http://www.jspf.or.jp/>