

11.3 天文台出版物

CONTRIBUTIONS FROM THE KWASAN AND HIDA OBSERVATORIES

2007 年に出版された論文 (天文台構成員に下線)

- No. 519** Bellot Rubio, L. R., Tsuneta, S., Ichimoto, K., Katsukawa, Y., Lites, B. W., Nagata, S., Shimizu, T., Shine, R. A., Suematsu, Y., Tarbell, T. D., Title, A. M., del Toro Iniesta, J. C.
Vector Spectropolarimetry of Dark-cored Penumbra Filaments with Hinode, 2007, ApJ, 668, L91
- No. 520** Carlsson, M., Hansteen, V. H., De Pontieu, B., McIntosh, S. W., Tarbell, T. D., Shine, R. A., Tsuneta, S., Katsukawa, Y., Ichimoto, K., Suematsu, Y., Shimizu, T., Nagata, S.
Can High Frequency Acoustic Waves Heat the Quiet Sun Chromosphere?, 2007, PASJ, 59, S663
- No. 521** Centeno, R., Socas-Navarro, H., Lites, B., Kubo, M., Frank, Z., Shine, R., Tarbell, T., Title, A., Ichimoto, K., Tsuneta, S., Katsukawa, Y., Suematsu, Y., Shimizu, T., Nagata, S.
Emergence of Small-Scale Magnetic Loops in the Quiet-Sun Internetwork, 2007, ApJ, 666, L137
- No. 522** Chae, J., Moon, Y.J., Park, Y.D., Ichimoto, K., Sakurai, T., Suematsu, Y., Tsuneta, S., Katsukawa, Y., Shimizu, T., Shine, R., Tarbell, T., Title, A., Lites, B. W., Kubo, M., Nagata, S., Yokoyama, T.
Initial Results on Line-of-Sight Field Calibrations of SP/NFI Data Taken by SOT/Hinode, 2007, PASJ, 59, S619
- No. 523** De Pontieu, B., McIntosh, S. W., Carlsson, M., Hansteen, V. H., Tarbell, T. D., Schrijver, C. J., Title, A. M., Shine, R. A., Tsuneta, S., Katsukawa, Y., Ichimoto, K., Suematsu, Y., Shimizu, T., Nagata, S.
Chromospheric Alfvénic Waves Strong Enough to Power the Solar Wind, 2007, Science, 318, 1574
- No. 524** De Pontieu, B., McIntosh, S. W., Hansteen, V. H., Carlsson, M., Schrijver, C. J., Tarbell, T. D., Title, A. M., Shine, R. A., Suematsu, Y., Tsuneta, S., Katsukawa, Y., Ichimoto, K., Shimizu, T., Nagata, S.
A Tale of Two Spicules: The Impact of Spicules on the Magnetic Chromosphere, 2007, PASJ, 59, S655
- No. 525** Fukui, A., Abe, F., Ayani, K., Fujii, M., Iizuka, R., Itow, Y., Kabumoto, K., Kamiya, K., Kawabata, T., Kawanomoto, S., Kinugasa, K., Koff, R. A., Krajci, T., Naito, H., Nogami, D., Narusawa, S., Ohishi, N., Ohnishi, K., Sumi, T., Tsumuraya, F.
Observation of the First Gravitational Microlensing Event in a Sparse Stellar Field: The Tago Event, 2007, ApJ, 670, 423

- No. 526** Ibrahim, A., and Shibata, K.
 Long Term Simulations of Astrophysical Jets: Energy Structure and Quasi Periodic Ejections, 2008, PASJ, in press.
- No. 527** Ichimoto, K., Shine, R. A., Lites, B. W., Kubo, M., Shimizu, T., Suematsu, Y., Tsuneta, S., Katsukawa, Y., Tarbell, T. D., Title, A. M., Nagata, S., Yokoyama, T., Shimojo, M.
 Fine-Scale Structures of the Evershed Effect Observed by the Solar Optical Telescope aboard Hinode, 2007, PASJ, 59, S593
- No. 528** Ichimoto, K., Suematsu, Y., Tsuneta, S., Katsukawa, Y., Shimizu, T., Shine, R. A., Tarbell, T. D., Title, A. M., Lites, B. W., Kubo, M., Nagata, S.
 Twisting Motions of Sunspot Penumbra Filaments, 2007, Science, 318, 1597
- No. 529** Ishioka, R., Sekiguchi, K., and Maehara, H.
 Infrared Spectroscopy of Short-Period Cataclysmic Variables, 2007, PASJ, 59, 929
- No. 530** Ishitsuka, J.K., Ishitsuka, M., Aviles, H.T., Sakurai, T., Nishino, Y., Miyazaki, H., Shibata, K., UeNo, S., Yumoto, K., Maeda, G.
 A solar observing station for education and research in Peru, 2007, Bull. Astr. Soc. India, 35, 709-712
- No. 531** Isobe, H., Kubo, M., Minoshima, T., Ichimoto, K., Katsukawa, Y., Tarbell, T. D., Tsuneta, S., Berger, E., Lites, B. W., Nagata, S., Shimizu, T., Shine, R. A., Suematsu, Y., Title, A. M.
 Flare Ribbons Observed with G-band and FeI 6302 Å, Filters of the Solar Optical Telescope on Board Hinode, 2007, PASJ, 59, S807
- No. 532** Jurcak, J., Bellot Rubio, L. R., Ichimoto, K., Katsukawa, Y., Lites, B. W., Nagata, S., Shimizu, T., Suematsu, Y., Tarbell, T. D., Title, A. M., Tsuneta, S.
 The Analysis of Penumbra Fine Structure Using an Advanced Inversion Technique, 2007, PASJ, 59, S601
- No. 533** Kamio, S., Hara, H., Watanabe, T., Matsuzaki, K., Shibata, K., Culhane, L., Warren, H.
 Velocity Structure of Jets in Coronal Hole, 2007, PASJ, 59, S757
- No. 534** Katsukawa, Y., Berger, T. E., Ichimoto, K., Lites, B. W., Nagata, S., Shimizu, T., Shine, R. A., Suematsu, Y., Tarbell, T. D., Title, A. M., Tsuneta, S.
 Small-Scale Jetlike Features in Penumbra Chromospheres, 2007, Science, 318, 1594
- No. 535** Katsukawa, Y., Yokoyama, T., Berger, T. E., Ichimoto, K., Kubo, M., Lites, B. W., Nagata, S., Shimizu, T., Shine, R. A., Suematsu, Y., Tarbell, T. D., Title, A. M., Tsuneta, S.
 Formation Process of a Light Bridge Revealed with the Hinode Solar Optical Telescope, 2007, PASJ, 59, S577
- No. 536** Kitai, R., Watanabe, H., Nakamura, T., Otsuji, K., Matsumoto, T., UeNo, S., Nagata, S., Shibata, K., Muller, R., Ichimoto, K., Tsuneta, S., Suematsu, Y., Katsukawa, Y., Shimizu, T., Tarbell, T. D., Shine, R. A., Title, A. M., and Lites, B.
 Umbral Fine Structures in Sunspots Observed with Hinode Solar Optical Telescope, 2007, PASJ, 59, S585

- No. 537** Kubo, M., Ichimoto, K., Shimizu, T., Tsuneta, S., Suematsu, Y., Katsukawa, Y., Nagata, S., Tarbell, T., Shine, R., Title, A., Frank, Z., Lites, B. W., Elmore, D.
Formation of Moving Magnetic Features and Penumbral Magnetic Fields with Hinode/SOT 2007, PASJ, 59, S607
- No. 538** Kubo, M., Yokoyama, T., Katsukawa, Y., Lites, B. W., Tsuneta, S., Suematsu, Y., Ichimoto, K., Shimizu, T., Nagata, S., Tarbell, T. D., Shine, R. A., Title, A. M., Elmore, D.
Hinode Observations of a Vector Magnetic Field Change Associated with a Flare on 2006 December 13, 2007, PASJ, 59, S779
- No. 539** Li, H., Sakurai, T., Ichimoto, K., Suematsu, Y., Tsuneta, S., Katsukawa, Y., Shimizu, T., Shine, R., Tarbell, T., Title, A., Lites, B. W., Kubo, M., Nagata, S., Kotoku, J., Shibasaki, K., Sarr, S.H., Bobra, M.
Response of the Solar Atmosphere to Magnetic Flux Emergence from Hinode Observations, 2007, PASJ, 59, S643
- No. 540** Lites, B. W., Kubo, M., Socas-Navarro, H., Berger, T., Frank, Z., Shine, R., Tarbell, T., Title, A., Ichimoto, K., Katsukawa, Y., Tsuneta, S., Suematsu, Y., Shimizu, T., Nagata, S.
The Horizontal Magnetic Flux of the Quiet-Sun Internetwork as Observed with the Hinode Spectro-Polarimeter, 2008, ApJ, 672, 1237
- No. 541** Lites, B. W., Socas-Navarro, H., Kubo, M., Berger, T., Frank, Z., Shine, R., Tarbell, T., Title, A., Ichimoto, K., Katsukawa, Y., Tsuneta, S., Suematsu, Y., Shimizu, T., Nagata, S.
Hinode Observations of Horizontal Quiet Sun Magnetic Flux and the "Hidden Turbulent Magnetic Flux", 2007, PASJ, 59, S571
- No. 542** Masada, Y., Kawanaka, N., Sano, T., Shibata, K.
Dead Zone Formation and Nonsteady Hyperaccretion in Collapsar Disks: A Possible Origin of Short-Term Variability in the Prompt Emission of Gamma-Ray Bursts, 2007 ApJ, 663, 437
- No. 543** Moon, Y.J., Kim, Y.H., Park, Y.D., Ichimoto, K., Sakurai, T., Chae, J., Cho, K.S., Bong, S., Suematsu, Y., Tsuneta, S., Katsukawa, Y., Shimojo, M., Shimizu, T., Shine, R., Tarbell, T., Title, A., Lites, B. W., Kubo, M., Nagata, S., Yokoyama, T.
Hinode SP Vector Magnetogram of AR10930 and Its Cross-Comparison with MDI, 2007, PASJ, 59, S625
- No. 544** Morinaga, S., Nagata, S., Ichimoto, K., Suematsu, Y., Tsuneta, S., Katsukawa, Y., Shimizu, T., Shine, R., Tarbell, T., Title, A., Lites, B. W., Kubo, M., Sakurai, T.
Center-to-Limb Variation of Stokes V Asymmetries in Solar Pores Observed with the Hinode Spectro-Polarimeter, 2007, PASJ, 59, S613
- No. 545** Nagashima, K., Isobe, H., Yokoyama, T., Ishii, T.T., Okamoto, T.J., Shibata, K.
Triggering Mechanism for the Filament Eruption on 2005 September 13 in Active Region NOAA 10808, 2007, ApJ, 668, 533

- No. 546** Nagashima, K., Sekii, T., Kosovichev, A.G., Shibahashi, H., Tsuneta, S., Ichimoto, K., Katsukawa, Y., Lites, B. W., Nagata, S., Shimizu, T., Shine, R., Suematsu, Y., Tarbell, T., Title, A.
Observations of Sunspot Oscillations in G Band and CaII H Line with Solar Optical Telescope on Hinode, 2007, PASJ, 59, S631
- No. 547** Oizumi, S., Omodaka, T., Yamamoto, H., Tanada, S., Yasuda, T., ARAO, Y., Kodama, K., Suzuki, M., Matsuo, T., Maehara, H., Nakajima, K., Dubovsky, P.A., Kato, T., Imada, A., Kubota, A., Sugiyasu, K., Morikawa, K., Torii, K., Uemura, M., Ishioka, R., Tanabe, K., Nogami, D.
Long-term monitoring of the short period SU UMa-type dwarf nova, V844 Herculis, 2007, PASJ, 59, 643
- No. 548** Okamoto, T. J., Tsuneta, S., Berger, T. E., Ichimoto, K., Katsukawa, Y., Lites, B. W., Nagata, S., Shibata, K., Shimizu, T., Shine, R. A., Suematsu, Y., Tarbell, T. D., Title, A. M.
Coronal Transverse Magnetohydrodynamic Waves in a Solar Prominence, 2007, Science, 318, 1577
- No. 549** Orozco Suarez, D., Bellot Rubio, L. R., del Toro Iniesta, J. C., Tsuneta, S., Lites, B. W., Ichimoto, K., Katsukawa, Y., Nagata, S., Shimizu, T., Shine, R. A., Suematsu, Y., Tarbell, T. D., Title, A. M.
Quiet-Sun Internetwork Magnetic Fields from the Inversion of Hinode Measurements, 2007, ApJ, 670, L61
- No. 550** Orozco Suarez, D., Bellot Rubio, L. R., del Toro Iniesta, J. C., Tsuneta, S., Lites, B. W., Ichimoto, K., Katsukawa, Y., Nagata, S., Shimizu, T., Shine, R. A., Suematsu, Y., Tarbell, T. D., Title, A. M.
Strategy for the Inversion of Hinode Spectropolarimetric Measurements in the Quiet Sun, 2007, PASJ, 59, S837
- No. 551** Otsuji, K., Shibata, K., Kitai, R., Ueno, S., Nagata, S., Matsumoto, T., Nakamura, T., Watanabe, H., Tsuneta, S., Suematsu, Y., Ichimoto, K., Shimizu, T., Katsukawa, Y., Tarbell, T.D., Lites, B.W., Shine, R.A., Title, A.M.
Small Scale Magnetic Flux Emergence Observed with Hinode/ Solar Optical Telescope, 2007, PASJ, 59, 649
- No. 552** Sekii, T., Kosovichev, A.G., Zhao, J., Tsuneta, S., Shibahashi, H., Berger, T.E., Ichimoto, K., Katsukawa, Y., Lites, B. W., Nagata, S., Shimizu, T., Shine, R., Suematsu, Y., Tarbell, T., Title, A.
Initial Helioseismic Observations by Hinode/SOT, 2007, PASJ, 59, S637
- No. 553** Shibata, K., Kamide, Y.
Basic Study of Space Weather Predictions: A New Project in Japan, 2007, Space Weather, 5, S12006
- No. 554** Shibata, K., Nakamura, T., Matsumoto, T., Otsuji, K., Okamoto, T.J., Nishizuka, N., Kawate, T., Watanabe, H., Nagata, S., UeNo, S., Kitai, R., Nozawa, S., Tsuneta, S., Suematsu, Y., Ichimoto, K., Shimizu, T., Katsukawa, Y., Tarbell, T.D., Berger, T.E., Lites, B.W., Shine, R.A., Title, A.M.

Chromospheric Anemone Jets as Evidence of Ubiquitous Magnetic Reconnection, 2007, Science, 318, 1591

No. 555 Su, J., Liu, Y., Kurokawa, H., Mao, X., Yang, S., Zhang, H., Wang, H.
Observation of Interactions and Eruptions of Two Filaments, 2007, Solar Physics, 242, 53

No. 556 UeNo, S., Shibata, K., Kimura, G., Nakatani, Y., Kitai, R., Nagata, S.
CHAIN-project and installation of the flare monitoring telescopes in developing countries, 2007, Bull. Astr. Soc. India, 35, 697-704

No. 557 Zelenyi, L., Oka, M., Malova, H., Fujimoto, M., Delcourt, D., Baumjohann, W.
Particle Acceleration in Mercury's Magnetosphere, 2007, Space Sci. Rev., 132, 593