

How to submit a paper to Astro-ph

2007.11.19

Hiroko Watanabe
(Kyoto University)

参考ホームページ

- <http://xxx.yukawa.kyoto-u.ac.jp/help/submit>
Astro-phの投稿方法
- <http://solar.physics.montana.edu/cgi-bin/eprint/search.pl?query=Otsuji> 大辻さんのE-print Astro-phへのリンクがある
- http://solar.physics.montana.edu/cgi-bin/eprint/setup_submit.pl E-printへの投稿方法

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- Visit register form (<http://arxiv.org/edit-user/index.php>)
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Hiroko	Watanabe	

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Kyoto University

Country:

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Status:

Grad Student

Groups that you'd like to submit to:

cs ☐ math ☐ nlin ☐ physics ☒ q-bio ☐ stat ☐

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- 1通目

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• 2通目

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Your arXiv.org account: H.Watanabe

P R O F	E-mail: watanabe@kwasan.kyoto-u.ac.jp [change]	Affiliation: Kyoto University
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	Default Category: Astrophysics	Country: Japan
	Groups: physics	Career Status: Grad Student

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- Tex,eps,clsを全部一つのtar.gzにまとめる
- `>tar cvzf umbral_dot_2007.tar.gz ***.cls
***.tex ***.eps ,,,`

(3)Submit

- http://arxiv.org/auth/login-form.php?tapir_dest=%2Fsubmit にアクセス
- Title
 - Umbral Fine Structures in Sunspots Observed with Hinode Solar Optical Telescope
- Author

Reizaburo Kitai, Hiroko Watanabe, Tahei Nakamura, Ken-ichi Otsuji, Takuma Matsumoto, Satoru UeNo, Shin-ichi Nagata, Kazunari Shibata, Richard Muller, Kiyoshi Ichimoto, Saku Tsuneta, Yoshinori Suematsu, Yukio Katsukawa, Toshifumi Shimizu, Theodore D. Tarbell, Richard A. Shine, Alan M. Title, Bruce W. Lites

(3)Submit

- Comments
 - 6 pages, 8 figures, accepted for publication in PASJ (Hinode Special Issue)
- Journal-ref ??blank??
- Abstract
 - High resolution imaging observation of a sunspot umbra was done with Hinode Solar Optical Telescope (SOT). Filtergrams in wavelengths of blue and green continuum were taken during three consecutive days. The umbra consisted of a dark core region, several diffuse components and numerous umbral dots. We derived basic properties of umbral dots (UDs), especially their temperatures, lifetimes, proper motions, spatial distribution and morphological evolution. Brightness of UD is confirmed to depend on the brightness of their surrounding background. Several UD show fission and fusion. Thanks to the stable condition of space observation, we could first follow the temporal behavior of these events. The derived properties of internal structure of the umbra are discussed in viewpoint of magnetoconvection in a strong magnetic field.

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First Name: Hiroko

Last Name: Watanabe

Suffix: ('Jr.', 'II', etc; may be blank)

Affiliation: Kyoto University

E-mail: watanabe@kwasan.kyoto-u.ac.jp

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Title:

Umbral Fine Structures in Sunspots Observed with Hinode Solar Optical Telescope

Author(s):

Alan M. Title, Bruce W. Lites

Comments: (e.g.: 10 pages, 5 figures, conference or other essential info)

6 pages, 8 figures, accepted for publication in PASJ (Hinode Special Issue)

Report-no: (local report number, otherwise *leave blank*)

Journal-ref: (full biblio info; *only* if already "published", otherwise *leave blank*)

DOI: (if known, otherwise *leave blank*)

Abstract:

High resolution imaging observation of a sunspot umbra was done with Hinode Solar Optical Telescope (SOT). Filtergrams in wavelengths of blue and green continuum were taken during three consecutive days. The umbra consisted of a dark core region, several diffuse components and numerous umbral dots. We derived basic properties of umbral dots (UDs), especially their temperatures, lifetimes, proper motions, spatial distribution and morphological evolution. Brightness of UD is confirmed to depend on the brightness of their surrounding background. Several UD show fission and fusion. Thanks to the stable condition of space observation, we could first follow the temporal behavior of these events. The derived properties of internal structure of the umbra are discussed in viewpoint of magnetoconvection in a strong magnetic field.

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Title: Umbral Fine Structures in Sunspots Observed with Hinode Solar Optical Telescope

Authors: Reizaburo Kitai, Hiroko Watanabe, Tahei Nakamura, Ken-ichi Otsuji, Takuma Matsumoto, Satoru UeNo, Shin-ichi Nagata, Kazunari Shibata, Richard Muller, Kiyoshi Ichimoto, Saku Tsuneta, Yoshinori Suematsu, Yukio Katsukawa, Toshifumi Shimizu, Theodore D. Tarbell, Richard A. Shine, Alan M. Title, Bruce W. Lites

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Abstract: High resolution imaging observation of a sunspot umbra was done with Hinode Solar Optical Telescope (SOT). Filtergrams in wavelengths of blue and green continuum were taken during three consecutive days. The umbra consisted of a dark core region, several diffuse components and numerous umbral dots. We derived basic properties of umbral dots (UDs), especially their temperatures, lifetimes, proper motions, spatial distribution and morphological evolution. Brightness of UD is confirmed to depend on the brightness of their surrounding background. Several UD show fission and fusion. Thanks to the stable condition of space observation, we could first follow the temporal behavior of these events. The derived properties of internal structure of the umbra are discussed in viewpoint of magnetoconvection in a strong magnetic field.

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完成

- Article-id: 0711.3266, Article password: vym74 (access still password restricted)
- <http://www.arxiv.org/abs/0711.3266>

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arXiv:0711.3266
From: Hiroko Watanabe <watanabe@kwasan.kyoto-u.ac.jp>
Date: Wed, 21 Nov 2007 07:07:26 GMT    (2943kb)

Title: Umbral Fine Structures in Sunspots Observed with Hinode Solar Optical
       Telescope
Authors: Reizaburo Kitai, Hiroko Watanabe, Tahei Nakamura, Ken-ichi Otsuji,
         Takuma Matsumoto, Satoru UeNo, Shin-ichi Nagata, Kazunari Shibata, Richard
         Muller, Kiyoshi Ichimoto, Saku Tsuneta, Yoshinori Suematsu, Yukio Katsukawa,
         Toshifumi Shimizu, Theodore D. Tarbell, Richard A. Shine, Alan M. Title,
         Bruce W. Lites
Categories: astro-ph
Comments: 6 pages, 8 figures, accepted for publication in PASJ (Hinode Special
```

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