

Magnetodynamic Phenomena In The Solar Atmosphere Prototypes Of Stellar Magnetic Activity

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Magnetic Fields in Filaments | International Astronomical ...
in 'Magnetodynamic Phenomena in the Solar Atmosphere - Prototypes of Stellar Activity', eds. Y.Uchida, T.Kosugi, and H.S.Hudson, Kluwer Academic Publishers, IAU Colloq.153, 437-438, 1996 T.Sakurai and J.C.Chae "Maximum Energy of Force-Free Magnetic Fields"

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On the other hand such highly sheared regions are more interesting and challenging for understanding eruptive phenomena like flares and coronal mass ejections. ... J.L. 1988, in Solar and Stellar Coronal Structures and Dynamics ... Martin, S.F. and Mc Allister, A.H. 1996, in Magnetodynamic Phenomena in the Solar Atmosphere, (eds.) Uchida ...

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more complete picture of magnetodynamic phenomena in the atmospheres of the Sun and stars than is provided by the X-ray and radio data alone. In _his paper we summarize the new results concerning magnetodynamic phenomena in late-type stars with coronae that have emerged from the analysis of spectra obtained with the Hubble Space Telescope (HST).

Kurokawa, Wang, & Ishii, Strong Solar Flares in NOAA AR 9026
Full image (96kb) | Discussion in text FIG.8. Density and pressure maps of the plasmoid, which is the region within the box in the X-ray image at 09:25:18 UT in Fig. 6.(a) Density map in the case of the assumption that the line-of-sight length is constant (10 4 km).(b) Density map in the case of the assumption that the plasmoid is spheroidal and that its line-of-sight length is not constant.

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solar and stellar coronal structure and dynamics ... Magnetodynamic Phenomena In The Solar Atmosphere. Author by : Yutaka Uchida ... The latest results on coronal heating and radiation are presented. Spectacular phenomena such as solar flares and coronal mass ejections are described in detail, ...

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Magnetodynamic phenomena in the solar and stellar outer atmospheres Yutaka Uchida 1 Astrophysics and Space Science volume 118 , pages 127 – 148 (1986) Cite this article

T.Sakurai: List of Papers - Solar Science Observatory
Magnetic reconnection is the favored explanation for solar flares because it is the only mechanism that satisfactorily explains observational phenomena that occur during flares, including separating flare ribbons seen in H α , cusp-shaped arches of soft X-ray loops, and hard X-ray sources at flare loop tops and footpoints [e.g., Priest and Forbes, 2002].

Posteruptive phenomena in coronal mass ejections and ...
IAU Colloq. 153: Magnetodynamic Phenomena in the Solar Atmosphere - Prototypes of Stellar Magnetic Activity 429- Clark, T. A., C. Lindsey, D. M. Rabin , and W. C. Livingston. 1995. "Eclipse Measurements of the Distribution of CO Emission Above the Solar Limb."

Kazunari Shibata - Google Scholar
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Magnetodynamic Phenomena in the Solar Atmosphere, 49-50, 1996. 290: 1996: Evidence of EIT and Moreton waves in numerical simulations. PF Chen, ST Wu, K Shibata, C Fang. The Astrophysical Journal Letters 572 (1), L99, 2002. 280: 2002: Evidence of magnetic reconnection in solar flares and a unified model of flares.

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These are the Proceedings of Colloquium No. 153 of the International Astro nomical Union, held at Makuhari near Tokyo on May 22 - 26, 1995, and hosted by the National Astronomical Observatory. This m

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