

**Title:** Growth of Intermediate-Mass Black Holes in the Hierarchical Formation of Small Spiral Galaxies in the High- $z$  Universe

**Authors:** Kawakatsu, N., Saitoh, T.R. & Wada, K.

**Journal:** Astrophysical Journal, Volume 628, Issue 1, pp. 129-136

**Title:** Internal Shocks in the Magnetic Reconnection Jet in Solar Flares: Multiple Fast Shocks Created by the Secondary Tearing Instability

**Authors:** Tanuma, S. & Shibata, K.

**Journal:** Astrophysical Journal, Volume 628, Issue 1, pp. L77-L80

**Title:** Hydrodynamic Simulations of a Moving Substructure in a Cluster of Galaxies: Cold Fronts and Turbulence Generation

**Authors:** Takizawa, M.

**Journal:** Astrophysical Journal, Volume 629, Issue 2, pp. 791-796

**Title:** Can the Steep Mass Profile of A1689 be Explained by a Triaxial Dark Halo?

**Authors:** Oguri, M., Takada, M., Umetsu, K. & Broadhurst, T.

**Journal:** Astrophysical Journal, Volume 632, Issue 2, pp. 841-846

**Title:** Numerical Galaxy Catalog. I. A Semianalytic Model of Galaxy Formation with N-Body Simulations

**Authors:** Nagashima, M., Yahagi, H., Enoki, M., Yoshii, Y. & Gouda, N.

**Journal:** Astrophysical Journal, Volume 634, Issue 1, pp. 26-50

**Title:** Three-Dimensional Magnetohydrodynamic Simulations of Jets from Accretion Disks

**Authors:** Kigure, H. & Shibata, K.

**Journal:** Astrophysical Journal, Volume 634, Issue 2, pp. 879-900

**Title:** Tidal Disruption of Dark Matter Halos Around Proto-Globular Clusters

**Authors:** Saitoh, R. T., Koda, J., Okamoto, T., Wada, K. & Habe, A.

**Journal:** Astrophysical Journal, Volume 640, Issue 1, pp. 22-30

**Title:** Big-Bang Nucleosynthesis in a Brans-Dicke Cosmology with a Varying  $\Lambda$  term related to WMAP

**Authors:** Nakamura, R. & Hashimoto, M., Gamov, S. & Arai, K.

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**Title:** Time Evolution of Relativistic Force-Free Fields Connecting a Neutron Star and its Disk

**Authors:** Asano, E., Uchida, T. & Matsumoto R.

**Journal:** Publications of Astronomical Society of Japan, Volume 57, No.2, pp. 409-413

**Title:** Vectorization and Parallelization of the Adaptive Mesh Refinement N-Body Code

**Authors:** Yahagi, H.

**Journal:** Publications of Astronomical Society of Japan, Volume 57, No. 5, pp. 779-798

**Title:** GRAPE-SPH Chemodynamical Simulation of Elliptical Galaxies - II. Scaling Relations and the Fundamental Plane

**Authors:** Kobayashi, C.

**Journal:** Monthly Notices of the Royal Astronomical Society, Volume 361, Issue 4, pp. 1216-1226

**Title:** Formation of Intracluster Globular Clusters

**Authors:** Yahagi, H. & Bekki, K.

**Journal:** Monthly Notices of the Royal Astronomical Society, Volume 364, Issue 1, pp. L86-L90

**Title:** Axisymmetric Collapse Simulations of Rotating Massive Stellar Cores in Full General Relativity:  
Numerical Study for Prompt Black Hole Formation

**Authors:** Sekiguchi, Y. & Shibata, M.

**Journal:** Physical Review D, Volume 71, Issue 8, 084013

**Title:** Merger of Binary Neutron Stars with Realistic Equations of State in Full General Relativity

**Authors:** Shibata, M., Taniguchi, K. & Uryu, K.

**Journal:** Physical Review D, Volume 71, Issue 8, 084021

**Title:** Magnetohydrodynamics in Full General Relativity: Formation and Tests

**Authors:** Shibata, M. & Sekiguchi, Y.

**Journal:** Physical Review D, Volume 72, Issue 4, 044014

**Title:** Robustness of a High-Resolution Central Scheme for Hydrodynamic Simulations in Full General  
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**Authors:** Shibata, M. & Font, J. A.

**Journal:** Physical Review D, Volume 72, Issue 4, 047501

**Title:** Thermodynamics of the Self-Gravitating Ring Model

**Authors:** Tatekawa, T., Bouchet, F., Dauxois, T. & Ruffo, S.

**Journal:** Physical Review E, Volume 71, Issue 5, 056111

**Title:** Collapse of Magnetized Hypermassive Neutron Stars in General Relativity

**Authors:** Duez, M. D., Liu, Y. T., Shapiro, S. L., Shibata, M. & Stephans, B. C.

**Journal:** Physical Review Letters, Volume 96, Issue 3, 031101

**Title:** Magnetized Hypermassive Neutron-Star Collapse: A Central Engine for Short Gamma-Ray Bursts

**Authors:** Shibata, M., Duez, M. D., Liu, Y. T., Shapiro, S. L., & Stephans, B. C.

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**Title:** The Origin of Planetary Impactors in the Inner Solar System

**Authors:** Strom, R. G., Malhotra, R., Ito, T., Yoshida, F. & Kring, D. A.

**Journal:** Science, Volume 309, Issue 5742, pp. 1847-1850