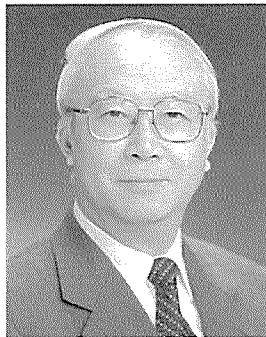


田 村 真 一 教 授 業 績 目 錄

平 成 15 年 3 月
東 北 大 学 史 料 館
(著 作 目 錄 第 825 号)



田 村 真 一 教 授 略 歴

生年月日 昭和14年5月18日

本籍地 岩手県

所 属 理学研究科

学歴

昭和38年3月 東北大学理学部天文及び地球物理学科第一卒業
昭和43年3月 東北大学大学院理学研究科天文学専攻博士課程修了

職歴

昭和43年4月 東北大学理学部助手
昭和59年6月 天文学研究のため在外研究员としてフランス及び米国に出張（60年3月まで）
平成4年度 京都大学理学部非常勤講師を併任
平成6年6月 東北大学理学部助教授
平成7年4月 東北大学大学院理学研究科助教授
平成8年4月 東北大学大学院理学研究科教授
平成13年度 大学入試センター客員教授
平成15年3月 東北大学を定年退職

学位

昭和43年3月 理学博士（東北大学）

学会等における活動

日本天文学会理事（昭和52年～57年）

業績目録

I. 著書

“星雲星団シリーズ「惑星状星雲」”

田村真一, 1981年12月, 地人書館

“宇宙はいま！”

田村真一他 (共著), 1983年4月, 地人書館

II. 翻訳

“ガス星雲と活動銀河核の天体物理学”, D.E. オスター・ブロック著

2001年12月, 東北大学出版会

III. 論文 (英文)

“What is the Structure of the Symbiotic Nebula in AX Persei ?”

A. Skopal, D. Chochol, Y. Ikeda, and S. Tamura;

in Eta Carinae and Other Mysterious Stars, eds. T. Gull, S. Johansson, and K. Davidson, ASP Conference Series, Vol.242, pp.377–380, 2001.

“A photometric and spectroscopic study of the eclipsing symbiotic binary AX Persei”

A. Skopal, M. Teodorani, L. Errico, A.A. Vittone, Y. Ikeda, and S. Tamura;

Astronomy & Astrophysics, 367, No.1, 199–210, 2001.

“Symbiotic Stars with Highly Resolved Emission Line Profiles”

S. Tamura and Yuji Ikeda;

in Proceedings of the Pacific Rim Conference on Stellar Astrophysics, held in Hong Kong, 1999 = Ap. and Space Science Library, 254, pp.291–296, 2000, Kluwer Academic Publishers, the Netherlands.

“A New Mass Function of a Symbiotic Star, HBV 475”

Yuji Ikeda and Shin'ichi Tamura;

ibid, pp.423–427, 2000.

“Spectroscopic Diagnoses on Symbiotic Stars. III. Radial Velocity Analyses of HBV 475”

Y. Ikeda and S. Tamura;

Publ. Astr. Soc. Japan, 52, pp.589–599, 2000.

"High-Resolution Images of the Ring Nebula Taken with the Subaru Telescope"
 Y. Komiyama, M. Yagi, S. Miyazaki, S. Okamura, S. Tamura, H. Fukushima,
 M. Doi, H. Furusawa, T. Fuse, M. Hamabe, M. Hayashi, T. Hayashino, K. Imi,
 M. Iye, N. Kaifu, H. Karoji, W. Kawasaki, M. Kimura, G. Kosugi, F. Nakata,
 J. Noumaru, N. Okada, T. Sasaki, Y. Sawada, M. Sekiguchi, I. Shelton, K.
 Shimasaku, K. Suzuki, T. Takata, Y. Taniguchi, T. Usuda, T. Yamashita, and
 N. Yasuda;
Publ. Astr. Soc. Japan, **52**, pp.93–98 and Plate 20–22, 2000.

"HaTr 10, a Planetary Nebula with Extremely Strong Nitrogen Lines"
 A. Tajitsu, S. Tamura, Y. Yadoumaru, R. Weinberger, and J. Köppen;
Publ. Astr. Soc. Pacific, **111**, pp.1157–1162, 1999.

"Pulsating AGB Star in the Symbiotic Nova PU Vulpeculae"
 D. Chochol, T. Pribulla, and S. Tamura;
Inform. Bull. Var. Stars, No.4571, pp.1–4, 1998.

"G247. 8+4. 9, a Newly Discovered Optical Supernova Remnant in Puppis"
 R. Weinberger, A. Tajitsu, S. Tamura, and Y. Yadoumaru;
Publ. Astr. Soc. Pacific, **110**, pp.722–726, 1998.

"A New Distance Indicator to the Galactic Planetary Nebulae Based upon IRAS Fluxes"
 A. Tajitsu and S. Tamura;
Astron. J., **115**, pp.1989–2008, 1998.

"An Astronomical Concept of the Monuments at Tohni Village Built in 1814 by Kasai–Masahiro"
 S. Tamura;
 Proc. of the Third International Conference on Oriental Astronomy, pp.117–122,
 held in Fukuoka, 1998.

"Photometric and spectroscopic study of the symbiotic binary BF Cyg"
 A. Skopal, A.A. Vittone, L. Errico, M.F. Bode, H.M. Lloyd, and S. Tamura;
Mon. Not. Roy. Astron. Soc., **292**, pp.703–713, 1997.

"Physical Processes in the Very Slow Symbiotic Nova PU Vul–Possible Triple System"
 D. Chochol, T. Pribulla, S. Tamura, A. Tajitsu, and O. Kanamitsu;
Physical Processes in Symbiotic Binaries, ed. J. Mikolajewska, 1997, pp.127–132,
 Copernicus Foundation for Polish Astronomy.

"A New Distance Indicator to the Galactic Planetary Nebulae"
 A. Tajitsu and S. Tamura;
 IAU Symp. No.180, p.51, 1996, Groningen, The Netherlands.

"Expansion Analyses on Planetary Nebulae"

S. Tamura, Y. Yadoumaru, K.M. Shibata, and A. Tajitsu;
ibid, p.280, 1996.

"High velocity collimated flow in a Halo Planetary Nebula, H4-1"

Y. Yadoumaru, A. Tajitsu, and S. Tamura;
ibid, p.288, 1996.

"Astroseismological Observations of the Central Star of the Planetary Nebula NGC 1501"

H.E. Bond, S. Kawaler, R. Ciardullo, R. Stover, T. Kuroda, T. Ishida, T. Ono, S. Tamura, H. Malasan, A. Yamasaki, O. Hashimoto, E. Kambe, M. Takeuti, T. Kato, J.-S. Chen, E.M. Leibowitz, M.M. Roth, T. Soffner, and W. Mitsch;
Astron. J., **112**, No.6, pp.2699–2711, 1996.

"Eclipses in the Symbiotic System CH Cyg"

A. Skopal, M.F. Bode, H.M. Lloyd, and S. Tamura;
Astronomy and Astrophysics, **308**, L9–L11, 1996.

"An Observed Contrast of NGC 1501 with the Specified Emission-Line Intensity Ratio"

S. Tamura, H.L. Malasan, A. Yamasaki, O. Hashimoto, E. Kambe, and M. Takeuti;
 Proc. of *Asymmetrical Planetary Nebulae*, edited by A. Harpas and N. Soker, Haifa, Israel, 1994 = *Annals of the Israel Physical Society*, vol.**11**, pp.163–167, 1995.

"High Velocity Flow in the Central Part of a Highly Evolved Planetary Nebula Abell 30"

Y. Yadoumaru and S. Tamura;
ibid, 1994 = *ibid*, pp.103–107, 1995.

"A Distance Indicator to the Galactic Planetary Nebulae Based upon IRAS Fluxes"

A. Tajitsu and S. Tamura;
ibid, 1994 = *ibid*, p.300, 1995.

"A Close Look at the Outburst of the Very Slow Symbiotic Nova PU Vul–A Triple System"

D. Chochol, S. Tamura, O. Kanamitsu, T. Pribulla, A. Tajitsu;
 IAU Colloq. No.158, *Cataclysmic Variables and Related Objects*, pp.343–344, 1996.

"Multifrequency observations of the eclipsing symbiotic triple system CH Cyg during the activity in 1992–94"

A. Skopal, M.F. Bode, M. Bryce, D. Chochol, L. Errico, A. Evans, L. Hric, R.J. Ivison, H.T. Kenny, R. Komzik, J. Meaburn, S. Tamura, Z. Urban, and A. Vittone;
Mon. Not. R. Astron. Soc., **282**, pp.327–346, 1996.

"An Addition to the Sample of Evolved Planetary Nebulae"

S. Tamura and R. Weinberger;
Astronomy and Astrophysics, **298**, pp.204–206, 1995.

"Circumstellar Matter in the Symbiotic Binary CH Cyg during its Current Outburst"

A. Skopal, M.F. Bode, M. Bryce, J. Meaburn, and S. Tamura;
Ap. Space Sci., **224**, Nos.1–2, pp.559–560, 1995.

"High-Velocity Flow in the Central Part of the Highly Evolved Planetary Nebula Abell 30"

Y. Yadoumaru and S. Tamura;
Publ. Astr. Soc. Pacific, **106**, pp.165–169, 1994.

"Line-Profiles of F Supergiant Stars as Candidates of Proto-Planetary Nebulae"

S. Tamura, M. Takeuti, and J. Zalewski;
 in IAU Colloquium No.134, *Nonlinear Phenomenon in Stellar Variability* edited by M. Takeuti and J.-R. Buchler, pp.159–161, 1993.

"Four New Evolved Planetary Nebulae"

S. Tamura and R. Weinberger;
 in IAUSymposium No.155, *Planetary Nebulae*, edited by R. Weinberger and A. Acker, p.34, 1993.

"High Resolution Observations of CO in PNe"

K.M. Shibata, S. Deguchi, T. Kasuga, S. Tamura, N. Hirano, and O. Kameya;
ibid, p.225, 1993.

"H α Profiles of Selected Candidates for Proto-Planetary Nebulae"

S. Tamura;
ibid, p.355, 1993.

"Linear Pulsation Periods of the Post-AGB Stars"

M. Takeuti, R. Takano, and S. Tamura;
ibid, pp.366, 1993.

"High-Dispersion Spectroscopy of IC 351 and NGC 3242, Planetaries High Internal Motion"

Y. Yadoumaru and S. Tamura;
ibid, p.379, 1993.

“Spectroscopic Observations of Luminous High-Latitude Supergiant Stars”

S. Tamura and M. Takeuti;

in *Luminous High-Latitude Stars* edited by D.D. Sasselov, ASP Conference Series, vol.**45**, p.309–317, 1993.

“High Resolution Observations of CO in Planetary Nebulae”

K.M. Shibata, S. Deguchi, T. Kasuga, S. Tamura, N. Hirano, and O. Kameya;
Proc. of I.A.U. Colloquium No.140 on *Astronomy with Millimeter and Submillimeter Wave Interferometry* edited by M. Ishiguro, Hakone, Japan, p.143, 1992.

“High-Spatial Resolution Observations of CO in CRL 618”

K.M. Shibata, S. Deguchi, N. Hirano, O. Kameya, S. Tamura;
Ap. J., **415**, pp.708–714, 1993.

“High-Dispersion Spectroscopy of IC 351 – A Case Study of A High-Excitation Planetary Nebula”

Y. Yadoumaru and S. Tamura;

Publ. Astr. Soc. Pacific, **105**, pp.98–101, 1993.

“Abrupt Change of H-alpha Emission-Line Profile of PU Vulpeculae in 1989”

S. Tamura, O. Kanamitsu, and Y. Yamashita;

Publ. Astr. Soc. Japan, **44**, pp.543–551, 1992.

“Spectroscopic Observations of F Supergiant Stars and a Summary of Related Data”

S. Tamura, M. Takeuti, and J. Zalewski;

Sci. Rep. Tohoku Univ., 8th Ser. **12**, Nos.2/3, pp.145–156, 1992.

“Spectroscopic Observations of Five F Supergiant Stars”

S. Tamura and M. Takeuti;

Inform. Bull. Var. Stars, No.3561, pp.1–2, 1991.

“Expansion Analyses on Low-Excitation Planetary Nebulae with Stellar Images”

S. Tamura and K.M. Shibata;

Publ. Astr. Sci. Pacific, **102**, No.657, pp.1301–1309, 1990.

“CO Observations of IRAS 21282+5050 with Nobeyama Millimeter Array”

K.M. Shibata, S. Deguchi, N. Hirano, O. Kameya, T. Kasuga, and S. Tamura;
Proc. International Colloquium on *From Mira to Planetary Nebulae*, edited by M. O. Mennessier and A. Omont, p.427, 1990.

“Radio and Optical Studies of Compact Planetary Nebulae”

S. Tamura, I. Kazes, and K.M. Shibata;

Astronomy and Astrophysics, **232**, pp.195–202, 1990.

- “Expanding Molecular Torus around Planetary Nebulae IRAS 21282+5050”
 K.M. Shibata, S. Tamura, S. Deguchi, N. Hirano, O. Kameya, and T. Kasuga;
Ap. J., **345**, L55–L58, 1989.
- “Spectroscopic Investigations of HBV 475 in Optical Regions”
 S. Tamura;
Publ. Astr. Soc. Pacific, **101**, No.637, pp.250–257, 1989.
- “Unusual Emission Line Profiles of M1-1”
 K.M. Shibata and S. Tamura;
 Proceedings of I.A.U. Symp. No.131, *Planetary Nebulae*, p.188, 1989.
- “Expansion Velocities of [NII] and [OIII] from Compact Planetary Nebulae”
 K.M. Shibata and S. Tamura;
ibid, p.190, 1989.
- “Detection of OH Maser Emission at 1667 MHz from IC 4997”
 S. Tamura and I. Kazes;
ibid, p.209, 1989.
- “Starburst Wind from the Nucleus of NGC 7714”
 Y. Taniguchi, K. Kawara, M. Nishida, S. Tamura, and M. T. Nishida;
Astron. J., **95**, No.5, pp.1378–1388, 1988.
- “Emission Line Analyses of HBV 475, V1016 Cyg, and HM Sge”
 S. Tamura;
 Proceedings of I.A.U. Colloq. No.103, *The Symbiotic Phenomenon*, p.285, 1988.
- “Chemical and Expansion Properties of Compact Planetary Nebulae in the Galactic Anti-Center Region”
 S. Tamura;
 Proceedings of I.A.U. Colloq. No.108, *Atmospheric Diagnostics of Stellar Evolution: Chemical Peculiarity, Mass Loss, and Explosion*, p.55, 1988.
- “Spectroscopic Analyses of the Stellar Planetary Nebulae K3-66, K3-67, and K3-71”
 S. Tamura and R.A. Shaw;
Publ. Astr. Soc. Pacific, **99**, No.622, pp.1264–1268, 1987.
- “High-dispersion Spectroscopy of the Clumpy Irregular Galaxies Markarian 297 and 325”
 Y. Taniguchi and S. Tamura;
Astronomy and Astrophysics, **181**, pp.265–269, 1987.

"A Model Analysis of Clumpy Irregular Galaxies"

S. Tamura;

Proceedings of Japan-France Seminar on *Chemical Evolution of Galaxies with Active Star Formation*, pp.333-337, 1987.

"U-G and G-R Colors of the Clumpy Irregular Galaxies Markarian 297 and 325"

S. Tamura and J. Heidmann;

Proceedings of I.A.U. Symp. No.115 on *Star Forming Regions*, p.642, 1987.

"High-dispersion Spectroscopy of the Clumpy Irregular Galaxies Markarian 297 and 325"

Y. Taniguchi and S. Tamura;

ibid, p.644, 1987.

"U-G and G-R Colors of the Clumpy Irregular Galaxies Markarian 297 and 325"

S. Tamura and J. Heidmann;

Publ. Astr. Soc. Japan, **38**, pp.619-625, 1986.

"Spectroscopic Analyses of Symbiotic Stars"

S. Tamura;

Proceedings of the Second Japan-China Workshop on *Stellar Activities and Observational Techniques*, p.67, 1986.

"Observational Properties of Clumpy Irregular Galaxies"

S. Tamura;

ibid, p.145, 1986.

"U-G and G-R Colors of the Clumpy Irregular Galaxies Markarian 297 and 325"

S. Tamura and J. Heidmann;

Proceedings of the Japan-France Co-operation on *The Structure and Evolution of Ultraviolet-Excess Galaxies*, p.17, 1986.

"High-Dispersion Spectroscopy of the Clumpy Irregular Galaxies Markarian 297 and 325"

Y. Taniguchi and S. Tamura;

ibid, p. 23, 1986.

"Chemical Abundances of Stellar Planetary Nebula, M1-9, near the Galactic Periphery"

K.M. Shibata and S. Tamura;

Publ. Astr. Soc. Japan, **37**, pp.325-332, 1985.

"A Case Study of the Planetary Nebulae Formation"

S. Tamura;

Sendai Astronomiaj Raportoj, N-ro. 265, in "Non-Linear Phenomena in Stellar Outer-Layers", edited by M. Takeuti, p.59, 1984.

"Spectroscopic Activities of Symbiotic Stars"

S. Tamura;

Publ. Beijing Astr. Obs., **6**, pp.46–68, 1984.

"Infrared Photometry of HBV 475(V1329 Cyg)"

S. Tamura;

Publ. Astr. Soc. Japan, **35**, pp.317–321, 1983.

"The Possible Detection of Violet-shifted Absorption and Emission Lines from HBV 475"

S. Tamura;

Publ. Astr. Soc. Japan, **35**, pp.579–584, 1983.

"HBV 475 as a Candidate of Proto-Planetary Nebulae"

S. Tamura;

Proceedings of I.A.U. Symp., No.103 *Planetary Nebulae*, p.320, 1983.

"Markarian 914 is a Galactic Object, Lick H α 233"

Y. Taniguchi and S. Tamura;

Astrophysical Letters, **23**, pp.25–29, 1982.

"Observational Properties of the Galaxy Markarian 297"

Y. Taniguchi and S. Tamura;

Publ. Astr. Soc. Japan, **33**, pp.653–664, 1981.

"Activities of HBV 475 from its Spectral Variations"

S. Tamura;

Publ. Astr. Soc. Japan, **33**, pp.699–711, 1981.

"An Expanding Motion in the Ionized Envelope of HBV 475"

S. Tamura;

Astrophysical Letters, **22**, pp.165–170, 1981.

"Spectrophotometric Scan of Comet 1973 XII Kohoutek"

H. Ishii, T. Yamamoto, and S. Tamura;

The Moon and Planets, **25**, pp.437–450, 1981.

"The CN Violet(0,0) Spectrum of Comet 1973 XII Kohoutek"

H. Ishii and S. Tamura;

Publ. Astr. Soc. Japan, **31**, pp.597–606, 1979.

"Observational Properties of Clumps in the Galaxy Markarian 325"

S. Tamura and M. Hasegawa;

Publ. Astr. Soc. Japan, **31**, pp.329–338, 1979.

“Changes in Emission Line Intensities of HBV 475”

S. Tamura;

Proceedings of I.A.U. Symp. No.76, *Planetary Nebulae*, p.357, 1978.

“Optical Molecular and Atomic Absorption Lines of OB Stars Embedded in the Orion Nebula”

S. Tamura and H. Ishii;

Liege Astrophysical Symp. on *Les Spectres des Molecules Simples au Laboratoire et en Astrophysique*, pp.66–71, 1977.

“High Excitation Emission Lines of HBV 475”

S. Tamura;

Astrophysical Letters, **19**, pp.57–60, 1977.

“Photoelectric Spectrophotometry of the Orion Nebula I. Inhomogeneity in the Bright Central Region”

S. Tamura;

Sci. Rep. Tohoku Univ. Ser. I, **59**, Nos. 1/2, pp.6–24, 1976.

“Photoelectric Spectrophotometry of the Orion Nebula II. Inhomogeneities in Ionic Abundances and Related Thermal Balance”

S. Tamura;

Sci. Rep. Tohoku Univ. Ser. I, **59**, No.3, pp.76–84, 1976.

“Photoelectric Spectrophotometry of Four Bright Planetary Nebulae with a Spectrum Scanner and a Logarithmic Amplifier”

S. Tamura;

Sci. Rep. Tohoku Univ. Ser. I, **53**, No.1, pp.10–20, 1970.

“Gas-Dynamical Study of Planetary Nebulae”

S. Tamura;

Sci. Rep. Tohoku Univ. Ser. I, **51**, Nos.1/2, pp.19–40, 1968.

“The Lifetime of Planetary Nebulae”

S. Tamura;

Sci. Rep. Tohoku Univ. Ser. I, **49**, Nos.3/4, pp.112–116, 1966.

III. 論文（和文）

“釜石市唐丹町にある伊能測量顕彰碑中の「地球微動」について—建立者葛西昌丕が文化11年（1814年）に抱いていた概念—”

田村 真一

季刊地理学, 第52卷, 第3号, 153–165頁, 2000.

“伊能忠敬測量顕彰碑建立者・葛西昌丕に関する新資料—「大西家文書」と「久助覚牒」について—”

田村 真一

季刊地理学, 第53巻, 第4号, 248-252頁, 2001.

IV. 解 説

“惑星状星雲研究この十年と今後の展望”

田村 真一

天文月報, 第90巻, 第11号, 512-521頁, 1997年11月

“Cloudy Stars—惑星状星雲の形成に関連して—”

田村 真一

天文月報, 第76巻, 第7号, 183-187頁, 1983年7月

“可視光で見たオリオン星雲”

田村 真一

星の手帖(河出書房新社), vol.11, 22-30頁, 1981年冬号

“青い銀河, マルカリアン銀河の謎”

田村 真一

天文と気象(地人書館), 1979年3月号, 13-17頁

“惑星状星雲はどのように誕生したか”

田村 真一

天文と気象(地人書館), 1978年8月号, 22-25頁

“惑星状星雲の形成”

田村 真一

天文月報, 第70巻, 第7号, 164-169頁, 1977年6月

V. その他

“大学における天文学の研究・教育体制—その変化の予兆—”

田村 真一

東北大学出版会会報「宙」δ星, 7-8頁, 2002年8月22日

“惑星状星雲と共生星”

田村 真一

国立天文台岡山天体物理観測所40周年記念誌, 154-156頁, 2001年

“東北帝国大学開学以来の設備・子午儀”

田村 真一

東北大学史料館だより, No.2, 2-3頁, 2001年10月

“宇宙の果てを知ることと地球のこと”

田村 真一

聖書と教会（日本基督教団出版局），1990年1月号，26—27頁

