

List of publications by Masaki MARUYAMA

1. (with M. Nagata) Note on the structure of a ruled surface, *J. Reine Angew. Math.* **239/240** (1969), 68–73.
2. On classification of ruled surfaces, *Lectures in Mathematics, Department of Mathematics, Kyoto University*, **3**, Kinokuniya Book-Store Co., Ltd., Tokyo, 1970, iv+75 pp.
3. On automorphism groups of ruled surfaces, *J. Math. Kyoto Univ.* **11** (1971), 89–112.
4. On a family of algebraic vector bundles, ‘*Number theory, algebraic geometry and commutative algebra, in honor of Yasuo Akizuki*’, pp. 95–146. Kinokuniya, Tokyo, 1973.
5. Stable vector bundles on an algebraic surface, *Nagoya Math. J.* **58** (1975), 25–68.
6. Openness of a family of torsion free sheaves, *J. Math. Kyoto Univ.* **16** (1976), no. 3, 627–637.
7. Moduli of stable sheaves, I, *J. Math. Kyoto Univ.* **17** (1977), no. 1, 91–126.
8. On algebraic vector bundles (Japanese), *Sûgaku* **29** (1977), no. 4, 322–333.
9. Moduli of stable sheaves, II, *J. Math. Kyoto Univ.* **18** (1978), no. 3, 557–614.
10. Boundedness of semistable sheaves of small ranks, *Nagoya Math. J.* **78** (1980), 65–94.
11. The theorem of Grauert-Mülich-Spindler, *Math. Ann.* **255** (1981), no. 3, 317–333.
12. On boundedness of families of torsion free sheaves, *J. Math. Kyoto Univ.* **21** (1981), no. 4, 673–701.
13. Elementary transformations in the theory of algebraic vector bundles, ‘*Algebraic geometry (La Rábida, 1981)*’, pp. 241–266, *Lecture Notes in Math.*, **961**, Springer-Verlag, Berlin, 1982.
14. Moduli of stable sheaves—generalities and the curves of jumping lines of vector bundles on \mathbf{P}^2 , ‘*Algebraic varieties and analytic varieties (Tokyo, 1981)*’, pp. 1–27, *Adv. Stud. Pure Math.*, **1**, North-Holland, Amsterdam, 1983.

15. Algebraic vector bundles, '*Recent progress of algebraic geometry in Japan*', pp. 106–151, North-Holland Math. Stud., **73**, North-Holland, Amsterdam, 1983.
16. Singularities of the curve of jumping lines of a vector bundle of rank 2 on \mathbf{P}^2 , '*Algebraic geometry (Tokyo/Kyoto, 1982)*', pp. 370–411, Lecture Notes in Math., **1016**, Springer-Verlag, Berlin, 1983.
17. Stable rationality of some moduli spaces of vector bundles on \mathbf{P}^2 , '*Complex analysis and algebraic geometry (Göttingen, 1985)*', pp. 80–89, Lecture Notes in Math., **1194**, Springer-Verlag, Berlin, 1986.
18. On a generalization of elementary transformations of algebraic vector bundles, '*Conference on algebraic varieties of small dimension (Turin, 1985)*', Rend. Sem. Mat. Univ. Politec. Torino, Special Issue, 1–13 (1987).
19. The equations of plane curves and the moduli spaces of vector bundles on \mathbf{P}^2 , '*Algebraic and topological theories (Kinosaki, 1984) — to the memory of Dr. Takehiko Miyata*', pp. 430–466, Kinokuniya, Tokyo, 1986.
20. Vector bundles on \mathbf{P}^2 and torsion sheaves on the dual plane, '*Vector bundles on algebraic varieties (Bombay, 1984)*', pp. 275–339, Tata Inst. Fund. Res. Stud. Math., **11**, Tata Inst. Fund. Res., Bombay, 1987.
21. The rationality of the moduli spaces of vector bundles of rank 2 on \mathbf{P}^2 (with an appendix by Isao Naruki), Adv. Stud. Pure Math., **10**, '*Algebraic geometry, Sendai, 1985*', pp. 399–414, North-Holland, Amsterdam, 1987.
22. On a compactification of a moduli space of stable vector bundles on a rational surface, '*Algebraic geometry and commutative algebra in honor of Masayoshi Nagata*', Vol. I, pp. 233–260, Kinokuniya, Tokyo, 1988.
23. (with G. Trautmann) On compactifications of the moduli space of instantons, Internat. J. Math. **1** (1990), no. 4, 431–477.
24. (with G. Trautmann) Degenerations of instantons, '*Complex analysis (Wuppertal, 1991)*', pp. 324–330, Aspects Math., **E17**, Vieweg, Braunschweig, 1991.

25. (with G. Trautmann) Limits of instantons, *Internat. J. Math.* **3** (1992), no. 2, 213–276.
26. (with K. Yokogawa) Moduli of parabolic stable sheaves, *Math. Ann.* **293** (1992), no. 1, 77–99.
27. Instantons and parabolic sheaves, '*Geometry and analysis (Bombay, 1992)*', pp. 245–267, Tata Inst. Fund. Res., Bombay, 1995.
28. Construction of moduli spaces of stable sheaves via Simpson's idea, '*Moduli of vector bundles (Sanda, 1994; Kyoto, 1994)*', pp. 147–187, *Lecture Notes in Pure and Appl. Math.*, **179**, Dekker, New York, 1996.

Books

29. (with M. Nagata and M. Miyanishi) *Abstract algebraic geometry* (Japanese), Kyoritsu Shuppan Co., Ltd., Tokyo, 1982, viii + 258 pp.
30. *Gröbner bases and their application*, (Japanese), Kyoritsu Shuppan Co., Ltd., Tokyo, 2002, ix + 258 pp.



Professor Maruyama