List of Papers

1. Refereed Papers

[1] W. Rossman and M. Yasumoto, *Weierstrass representation for semi-discrete minimal surfaces, and comparison of various discretized catenoids*, Journal of Math-for-Industry **4B** (2012), 109-118.

[2] M. Yasumoto, *Discrete maximal surfaces with singularities in Minkowski space*, Differential Geometry and its Application **43** (2015), 130-154.

[3] E. Güler, S. Konnai and M. Yasumoto, *Bour surface companions in non-Euclidean space forms*, Proceedings of the International Conference on Geometry, Integrability and Quantization **17** (2016), 256-269.

[4] M. Yasumoto, *Semi-discrete surfaces of revolution*, Kobe Journal of Mathematics **34** (2017), 13-26.

[5] W. Rossman and M. Yasumoto, *Discrete linear Weingarten surfaces and their singularities in Riemannian and Lorentzian spaceforms*, Advanced Studies in Pure Mathematics **Vol. 78** (2018), 383-410.

[6] C. Müller and M. Yasumoto, *Semi-discrete constant mean curvature surfaces with singularities in Minkowski space*, Proceedings of the International Conference on Geometry, Integrability and Quantization **18** (2017), 191-202.

[7] M. Yasumoto, *Weierstrass-type representations for timelike surfaces and their discretization*, Advanced Studies in Pure Mathematics **Vol. 78** (2018), 449-469.

[8] Y. Ogata and M. Yasumoto, *Construction of discrete constant mean curvature surfaces in Riemannian spaceforms and applications*, Differential Geometry and its Application **54**, Part A (2017), 264-281.

[9] W.Y. Lam and M. Yasumoto, *Trivalent maximal surfaces in Minkowski space*, In: Cañadas-Pinedo M., Flores J., Palomo F. (eds) *Lorentzian Geometry and Related Topics. GELOMA 2016*, Springer Proceedings in Mathematics & Statistics, **Vol. 211** (2018), 169-184.

[10] W. Rossman and M. Yasumoto, *Semi-discrete linear Weingarten surfaces and their singularities in Riemannian and Lorentzian spaceforms*, to appear in Osaka Journal of Mathematics.

2. Preprints

[11] M. Yasumoto, *Semi-discrete maximal surfaces with singularities in Minkowski space* (28 pages).

[12] J. Cho, K. Naokawa, Y. Ogata, M. Pember, W. Rossman and M. Yasumoto, *Discretization of isothermic surfaces in Lie sphere geometry* (268 pages).

3. In Preparation

[13] M. Yasumoto, *Construction of discrete constant mean curvature surfaces in Minkowski space and their singularities.*

[14] M. Yasumoto, *Discrete timelike minimal surfaces and discrete wave equations.*

[15] W. Carl and M. Yasumoto, *The semi-discrete DPW method.*

[16] W. Rossman, 安本真士, 離散曲面の微分幾何 (a survey article for "日本数学会『数学』").

4. Non-refereed Papers

[17] 安本真士, *Weierstrass representation for semi-discrete minimal surfaces*, 第59回幾何学シンポジウム予稿集 (2012), 27-29.

[18] M. Yasumoto, *Weierstrass representation for semi-discrete minimal surfaces, and comparison of three discretized catenoids*, COE Lecture Note Vol. 41 (2012), p.68.

[19] 安本真士, *Weierstrass representation for semi-discrete minimal surfaces*, 第 9 回数学総合若手研究集会テクニカルレポート (2013), 105-108.

[20] M. Yasumoto, *Discrete maximal surfaces with singularities in Minkowski space*, COE Lecture Note Vol. 51 (2013), p.73.

[21] 安本真士, ミンコフスキー空間内の特異点を持つ離散極大曲面について, 第 10 回数学総合若手研究集会テクニカルレポート (2014), 213-216.

[22] 安本真士, *Weierstrass representation for semi-discrete minimal surfaces*, RIMS Kokyuroku. No.1868 (2013), 121-130.

[23] 安本真士, 特異点を持つ曲面の離散化, 第 61 回幾何学シンポジウム予稿集 (2014), 34-37.

[24] W. Rossman, 安本真士, 離散線形 *Weingarten* 曲面について, 福岡大学微分幾何研究会 2015 記録集 (2016), 1-11.

[25] 安本真士, 三価グラフの極大曲面, 第 63 回幾何学シンポジウム予稿集 (2016), 157-160.

[26] M. Yasumoto, *Discrete linear Weingarten surfaces with singularities: a survey*, Proceedings of The 21st International Workshop on Hermitian Symmetric Spaces and Submanifolds **21** (2018), 43-51.

[27] W. Rossman, 安本真士, 4 色定理の証明 -小さな誤りから大きな問題への道-, 数学セミナー (日本評論社), 2018 年 9 月号, 43-47.

[28] 安本真士, 3 次元ミンコフスキー空間内の離散空間的平均曲率一定曲面, to appear in RIMS Kokyuroku.