Main publications

Velichka Vassileva Milousheva

1. Y. Aleksieva, V. Milousheva, *Minimal Lorentz surfaces in Pseudo-Euclidean 4-space with Neutral Metric*, Journal of Geometry and Physics, 142 (2019), 240-253, https://doi.org/10.1016/j.geomphys.2019.04.008, **IF: 0.806 (Q2)**

2. G. Ganchev, V. Milousheva, *Surfaces with Parallel Normalized Mean Curvature Vector Field in Euclidean or Minkowski 4-Space*, Filomat Vol 33, No 4 (2019), 1135-1145, https://doi.org/10.2298/FIL1904135G, **IF: 0.789 (Q2)**

3. Y. Aleksieva, V. Milousheva, N.C. Turgay, *General Rotational Surfaces in Pseudo-Euclidean 4-Space with Neutral Metric*, Bull. Malays. Math. Sci. Soc. 41, no. 4 (2018), 1773-1793. DOI:10.1007/s40840-016-0425-0 (Available online: October 06, 2016). **IF: 0.867 (Q2)**

4. B. Bulca, V. Milousheva, *Meridian Surfaces with Constant Mean Curvature in Pseudo-Euclidean 4-space with Neutral Metric*, Mediterr. J. Math. (2017) 14: 48. doi:10.1007/s00009-017-0878-x. **IF: 0.599 (Q1)**

5. B. Bulca, V. Milousheva, *Meridian Surfaces with parallel Normalized Mean Curvature vector Field in Pseudo-Euclidean 4-space with Neutral Metric*, International Journal of Geometry 6 (1) (2017), 67-84.

6. Y. Aleksieva, V. Milousheva, N.C. Turgay, *General Rotational Surfaces in Pseudo-Euclidean 4-Space with Neutral Metric*, Bull. Malays. Math. Sci. Soc. (2017), DOI:10.1007/s40840-016-0425-0 (Available online: October 06, 2016). **IF: 0.640 (Q2)**

7. K. Arslan, V. Milousheva, *Meridian surfaces of elliptic or hyperbolic type with pointwise 1-type Gauss map in Minkowski 4-space*, Taiwanese Journal of Mathematics, **20**, no. 2 (2016), 311-332. DOI: 10.11650/tjm.19.2015.572. **IF: 0.617 (Q2)**

8. Y. Aleksieva, G. Ganchev, V. Milousheva, *On the Theory of Lorentz Surfaces with Parallel Normalized Mean Curvature Vector Field in Pseudo-Euclidean 4-Space*, Journal of the Korean Mathematical Society, **53**, no. 5 (2016), 1077-1100. **IF: 0.356 (Q3)**

9. G. Ganchev, V. Milousheva, *Meridian Surfaces of Elliptic or Hyperbolic Type in the Four-dimensional Minkowski Space*, Math. Commun., **21**, no. 1 (2016), 1-21. **IF: 0.316 (Q3)**

10. Y. Aleksieva, V. Milousheva, *Rotational Surfaces with Constant Mean Curvature in Pseudo-Euclidean 4-Space with Neutral Metric*, In: Mathematics and Education in Mathematics, Proceedings of Forty Fifth Spring Conference of the Union of Bulgarian Mathematicians, (2016), 105-112. ISSN: 1313-3330

11. V. Milousheva, N.C. Turgay, *Quasi-minimal Lorentz Surfaces with Pointwise 1-type Gauss Map in Pseudo-Euclidean 4-Space*, Journal of Geometry and Physics, 106 (2016), 171-183. DOI: http://dx.doi.org/10.1016/j.geomphys.2016.03.023. (Available online: March 30, 2016). **IF: 0.752 (Q3)**

12. G. Ganchev, V. Milousheva, *Meridian Surfaces of Parabolic Type in the Four-dimensional Minkowski Space*, In: Geometry, Integrability and Quantization, I. Mladenov, G. Meng and A. Yoshioka (Eds), Avangard Prima, 2016, 243-255, DOI:10.7546/giq-17-2016-243-255

13. G. Ganchev, V. Milousheva, *Special Classes of Meridian Surfaces in the Four-dimensional Euclidean Space*, Bull. Korean Math. Soc., **52** (2015), no. 6, 2035-2045. http://dx.doi.org/10.4134/BKMS.2015.52.6.2035. **IF: 0.297**

14. G. Ganchev, V. Milousheva, *General rotational surfaces in the four-dimensional Minkowski space*, Turk. J. Math., 38 (2014), 883-895, DOI: 10.3906/mat-1312-10, **IF: 0.333**

15. G. Ganchev, V. Milousheva, *Quasi-minimal Rotational Surfaces in Pseudo-Euclidean Four-dimensional Space.* Cent. Eur. J. Math., 12 (10) (2014), 1586-1601. DOI: 10.2478/s11533-014-0430-1. **IF: 0.519**

16. K. Arslan, B. Bulca, V. Milousheva, *Meridian surfaces in E^4 with pointwise 1-type Gauss map.* Bull. Korean Math. Soc. **51** (2014), No. 3, pp. 911–922, **IF: 0.388**

17. G. Ganchev, V. Milousheva, *Marginally trapped meridian surfaces of parabolic type in the four-dimensional Minkowski space*. International Journal of Geometric Methods in Modern Physics., **10** (10) (2013), Article ID: 1350060, 17 pp, DOI: 10.1142/S0219887813500606, **IF: 0.951**

18. V. Milousheva, *Marginally trapped surfaces with pointwise 1-type Gauss map in Minkowski 4-space*. International Journal of Geometry, **2** (1) (2013), 34-43.

19. G. Ganchev, V. Milousheva, *Timelike surfaces with zero mean curvature in Minkowski 4-space*. Israel Journal of Mathematics, **196** (2013), 413-433, DOI: 10.1007/s11856-012-0169-y, **IF: 0.646**

20. K. Arslan, B. Bulca, V. Milousheva, *Benz Surfaces of Rotational Surfaces in R^4*. Differential Geometry - Dynamical Systems, **14** (2012), 5-18.

21. G. Ganchev, V. Milousheva, *An invariant theory of surfaces in the four-dimensional Euclidean or Minkowski space*. Pliska Stud. Math. Bulgar. **21** (2012), 177-200.

22. G. Ganchev, V. Milousheva, *An invariant theory of marginally trapped surfaces in the four-dimensional Minkowski space*. J. Math. Phys., **53** (2012), Article ID: 033705, 15 pp, DOI: 10.1063/1.3693976. **IF: 1.296**

23. G. Ganchev, V. Milousheva, *An invariant theory of spacelike surfaces in the four-dimensional Minkowski space.* Mediterr. J. Math., **9** (2) (2012), 267–294. DOI: 10.1007/s00009-010-0108-2. **IF: 0.641**

24. G. Ganchev, V. Milousheva, *Chen rotational surfaces of hyperbolic or elliptic type in the four-dimensional Minkowski space*. C. R. Acad. Bulgare Sci. **64** (2011), 5, 641-652. **IF: 0.210**

25. G. Ganchev, V. Milousheva, *Invariants and Bonnet-type theorem for surfaces in R^4*. Cent. Eur. J. Math., **8** (6) (2010), 993-1008. **IF: 0.581**

26. N. Kutev, V. Milousheva, *Minimal Surfaces in S^3 Foliated by circles.* Pacific Journal of Mathematics, **248** (2) (2010), 335-354. **IF: 0.549**

27. N. Kutev and V. Milousheva, *Complete integrability of a non-linear elliptic system, generating bi-umbilical foliated semi-symmetric hypersurfaces in R^4*. Mathematics and Education in Mathematics, Proceedings of Thirty Ninth Spring Conference of the Union of Bulgarian Mathematicians, (2010), 141-148.

28. G. Ganchev, V. Milousheva, *Invariants of lines on surfaces in R^4*. C. R. Acad. Bulgare Sci., **63** (2010) 6, 835-842. **IF: 0.219**

29. V. Milousheva, *General rotational surfaces in* R^4 *with meridians lying in two-dimensional planes*, C. R. Acad. Buglare Sci., **63** (2010) 3, 339-348. **IF:0.219**

30. N. Kutev, V. Milousheva, *Bi-umbilical Foliated Semi-Symmetric Hypersurfaces in the Four-Dimensional Euclidean Space*. Proceedings of International Conference VSU'2009 (2009), VIII– 1-7.

31. G. Ganchev, V. Milousheva, *On the Theory of Surfaces in the Four-Dimensional Euclidean Space*. Kodai Math. J., 31 (2008), 183-198.

32. V. Milousheva, *Geometric Construction of Developable Hypersurfaces and Minimal Ruled Hypersurfaces in Euclidean Space*. Proceedings of International Conference VSU'2008 (2008), IX - 65-71.

33. N. Kutev, V. Milousheva, *On the Solvability of Nonlinear Elliptic Systems Generating Minimal Foliated Semi-Symmetric Hypersurfaces.* C. R. Acad. Bulgare Sci., **60** (2007) 12, 1259-1264. **IF: 0.106**

34. G. Ganchev, V. Milousheva, *Analytic Characterization of the Minimal and Bi-umbilical Foliated Semi-Symmetric Hypersurfaces in Euclidean space.* C. R. Acad. Bulgare Sci., **60** (2007) 6, 601-606. **IF: 0.106**

35. G. Ganchev, V. Milousheva, *On the Geometric Structure of Hypersurfaces of Conullity Two in Euclidean Space.* In: Geometry, Integrability and Quantization VIII, I. Mladenov and M. de Leon (Eds), SOFTEX, 169-183, (2007).

36. G. Ganchev, V. Milousheva, *A Generation of Foliated Semi-Symmetric Hypersurfaces in the Four-Dimensional Euclidean space.* Mathematica Balkanica, **21** (2007) 1-2, 97-111.

37. G. Ganchev, V. Milousheva, *Foliated semi-symmetric hypersurfaces in Euclidean space with involutive geometric two-dimensional distribution*. C. R. Acad. Bulg. Sci., **59** (2006) 1, 5-10.

38. V. Milousheva, *A characterization of developable two-dimensional surfaces in Euclidean space*. Mathematics and Education in Mathematics, Proceedings of Thirty Fifth Spring Conference of the Union of Bulgarian Mathematicians (2006), 186-190.

39. V. Milousheva, *An Example of Foliated Semi-Symmetric Hypersurfaces in the Four-Dimensional Euclidean space.* Proceedings of International Conference VSU'2006 (2006), 158-162.

40. G. Ganchev, V. Milousheva, *On The Theory of Two-Dimensional Surfaces in Euclidean Space*. In: Trends in Complex Analysis, Differential Geometry and Mathematical Physics, S. Dimiev and K. Sekigawa (Eds.), World Scientific, Singapore (2003), 41-50.

41. V. Milousheva, G. Ganchev, *One-parameter Systems of Developable surfaces of Codimension Two in Euclidean Space.* In: Geometry, Integrability and Quantization III, I. Mladenov and G. Naber (Eds), Coral Press (2002), 328-336.

42. V. Milousheva, *Regular One-parameter Systems of Torses in Euclidean Space.* Mathematics and Education in Mathematics, Proceedings of Thirtieth Spring Conference of the Union of Bulgarian Mathematicians (2001), 188-193.

43. G. Ganchev, V. Milousheva, *Hypersurfaces of Conullity Two in Euclidean Space which Are One-parameter Systems of Torses.* In: Perspectives of Complex Analysis, Differential Geometry and Mathematical Physics, S. Dimiev and K. Sekigawa (Eds.), World Scientific, Singapore (2001), 135-146.

44. V. Milousheva, *Jacobi Class of a Kaehler Manifold with Constant Holomorphic Sectional Curvature.* Mathematics and Education in Mathematics, Proceedings of Twenty Sixth Spring Conference of the Union of Bulgarian Mathematicians (1997), 167-173.

45. M. Belger, V. Milousheva, G. Stanilov, *Jacobi Maps between Riemannian Manifolds.* Beiträge zur Algebra und Geometrie, Volume 36 (1995), No 2, 203-210.

46. V. Milousheva, *Jacobi Maps between Riemannian Manifolds with Constant Curvature*. Mathematics and Education of Mathematics, Proceedings of the Twenty Third Spring Conference of the Union of Bulgarian Mathematicians (1994), 183-187.