

List of Publications

Shanshuang Yang

Papers in preprint:

30. *Duality, uniformity and linear local connectivity*, preprint.
29. *Regularity of the Beltrami equation and 1-quasiconformal embeddings of surfaces in R^3* , submitted.

Papers in print:

28. *Quasisymmetric structure and quasisymmetry on 1-manifolds* (with Lindsay E. Stovall), Proceedings of the International Conference on Geometric Function Theory, Special Functions and Applications (ICGFT), J. Analysis, 15 (2007), pages 263-271.
27. *A Sobolev extension domain that is not uniform*, Manuscripta Math., 120 (2006), pages 241-251.
26. *Boundedness and extension of asymptotically symmetric embeddings*, Proceedings of the 12th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, Tokyo, Japan, July-August 2004, pages 413-419; published December 2005.
25. *Asymptotically symmetric homeomorphisms and symmetric quasiconformal mappings* (with Abdelkrim Brania), Proc. Amer. Math. Soc., 132 (2004), pages 2671-2678.
24. *Quasiextremal distance sets* (with David Herron), Analysis: International Mathematical Journal of Analysis and Its Applications, 23 (2003), pages 27-50.
23. *Characterizations of symmetric quasiconformal mappings*, Proceedings of the 10th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, Pusan, South Korea, July-August 2002, pages 188-193.
22. *Domains with controlled modulus and quasiconformal mappings* (with Abdelkrim Brania), Journal of Nonlinear Studies, 9(1) (2002), pages 57-73.
21. *Slit domains and quasiconformal mappings in n -space* (with Manoucher Ghamari), Complex Variables, 42 (2000), pages 309-322.
20. *On symmetric quasiconformal mappings* (with Shengjian Wu), J. Austral. Math. Soc. (Series A), 68 (2000), pages 131-145.
19. *A modulus inequality for condensers and conformal invariants of smooth Jordan domains*, J. d'Analyse Math., 75 (1998), Pages 172-183.

18. *Quasiconformal mappings and domain constants*, Proceedings of the Fifth International Colloquium on Finite or Infinite Dimensional Complex Analysis, Beijing, China, December, 1997, pages 349-354.
17. *On dilatations and substantial boundary points of homeomorphisms of Jordan curves*, Results in Math., 31 (1997), pages 180-188; MR 98a:30025.
16. *Conformal invariants of smooth domains and extremal quasiconformal mappings of ellipses*, Illinois J. Math., 41 (1997), pages 438-452; MR 98e:30024.
15. *Quasiconformally equivalent domains and quasiconformal extensions*, Complex Variables, 30 (1996), pages 279-288; MR 97e:30041
14. *Harmonic and extremal quasiconformal extensions*, J. of Hunan Univ., Vol.22, No.6 (1995), pages 42-51; MR 98c:30025.
13. *Strongly uniform domains and periodic quasiconformal maps* (with Juha Heinonen), Ann. Acad. Sci. Fenn., 20 (1995), pages 123-148; MR 96d:30023.
12. *Quasiextremal distance domains and integrability of derivatives of conformal mappings* (with John B. Garnett), Mich. Math. J., 41 (1994), pages 389-406; MR 95d: 30014.
11. *Estimates for coefficients of univalent functions from integral means and Grunsky's inequalities*, Israel J. of Math., 87 (1994), pages 129-142; MR 95g: 30018.
10. *Extremal distance and quasiconformal reflection constants of domains in \bar{R}^n* , J. d'Analyse Math., 62 (1994), pages 1-28; MR 95g: 30028
9. *QED domains and NED sets in \bar{R}^n* , Trans. Amer. Math. Soc., 334 (1992), pages 97-120; MR 93a: 30026.
8. *Quasiconformal reflection, uniform and quasiconformal extension domains*, Complex Variables, 17 (1992), pages 277-286; MR 93e: 30053.
7. *Monotone functions and extremal functions for condensers in \bar{R}^n* , Annals Acad. Sci. Fenn. Ser. A I Math., 16 (1991), pages 95-112; MR 93a: 30027.
6. *Asymptotic properties of extremal rings in space and a proof of G. D. Anderson's conjecture*, Acta Mathematica Sinica, Vol. 30, No. 4, (1987), pages 483-491; MR 89b: 30022.
5. *Distortion theorems of moduli of rings in space and asymptotic properties of the Grötzsch function*, Chinese Annals of Mathematics, Ser. A, Vol. 8, No. 6, (1987), pages 732-740; MR 89g: 30038.
4. *Quasidisk and the BMO_ρ extension property*, Journal of Hunan University, Vol. 14, No. 3, (1987), pages 17-23; MR 90c: 30061.

3. *Convexity, starlikeness and close-to-convexity of analytic functions defined by integral operators*, Hunan Annals of Mathematics, Vol. 5, No. 1, (1985), pages 111-115; MR 87m: 30031.
2. *On the G. Springer's conjecture for $N = 16$* , Kexue Tongbao, Academy of Sinica, 1984.
1. *A proof of the G. Springer's conjecture for $N = 15$* , Journal of Hunan University, Vol. 11, No. 4 (1984), pages 122-131.