

Publications by Ken-ichi Sakan

Papers :

- [1] Boundary groups of a Fuchsian group of the second kind. *Tôhoku Math. J. (2)* 28 (1976), no.1, 99–104.
- [2] On stability of finitely generated Kleinian groups. *Osaka J. Math.* 17 (1980), no.1, 165–176.
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- [4] On extremal quasiconformal mappings compatible with a Fuchsian group. *Tôhoku Math. J. (2)* 34 (1982), no.1, 87–100.
- [5] On extremal quasiconformal mappings compatible with a Fuchsian group with a dilatation bound. *Tôhoku Math. J. (2)* 37 (1985), no.1, 79–93.
- [6] Necessary and sufficient conditions for extremality in certain classes of quasiconformal mappings. *J. Math. Kyoto Univ.* 26 (1986), no.1, 31–37.
- [7] (with R. Fehlmann) On the set of substantial boundary points for extremal quasiconformal mappings. *Complex Variables Theory Appl.* 6 (1986), no.2-4, 323–335.
- [8] (with R. Fehlmann) On extremal quasiconformal mappings with varying dilatation bounds. *Osaka J. Math.* 23 (1986), no.4, 751–764.
- [9] A fundamental variational lemma for extremal quasiconformal mappings compatible with a Fuchsian group. *Tôhoku Math. J. (2)* 39 (1987), no.1, 105–114.
- [10] (with D. Partyka) Harmonic and quasiconformal mappings which agree on the boundary. *Ann. Univ. Mariae Curie-Skłodowska Sect. A* 49 (1995), 159–171.
- [11] (with J. Zajac) The Douady-Earle extension of quasihomographies. Generalizations of complex analysis and their applications in physics (Warsaw/Rynia, 1994), 35–44, Banach Center Publ., 37, Polish Acad. Sci., Warsaw, 1996.
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- [14] (with D. Partyka and J. Zajac) The harmonic and quasiconformal extension operators. Quasiconformal geometry and dynamics (Lublin, 1996), 141–177, Banach Center Publ., 48, Polish Acad. Sci., Warsaw, 1999.
- [15] (with D. Partyka) A conformally invariant dilatation of quasisymmetry. XII-th Conference on Analytic Functions (Lublin, 1998). *Ann. Univ. Mariae Curie-Skłodowska Sect. A* 53 (1999), 167–181.
- [16] (with D. Partyka) A pseudo-metric on the space of generalized quasisymmetric automorphisms of a Jordan curve, pp.895–902, in Proceedings of the Second ISAAC Congress (1999 8/16-8/21, Fukuoka Institute of Technology, Japan), Kluwer Academic Publishers, 2000.
- [17] (with D. Partyka) On pseudo-metrics on the space of generalized quasisymmetric

automorphisms of a Jordan curve, *Ann. Univ. Mariae Curie-Skłodowska Sect. A* 55 (2001), 115–138.

[18] (with D. Partyka) On Heinz’s inequality, *Bull. Soc. Sci. Lett. Łódź* 52(2002), 27–34, *Sér. Rech. Déform.* 36.

[19] (with D. Partyka) On an asymptotically sharp variant of Heinz’s inequality, *Ann. Acad. Sci. Fenn. Math.* 30 (2005), 167–182.

[20] (with D. Partyka) Three variants of Schwarz’s lemma for harmonic mappings, *Bull. Soc. Sci. Lett. Łódź* 56(2006), 23–36, *Sér. Rech. Déform.* 51.

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[23] (with D. Partyka) On a variant of Heinz’s inequality for harmonic mappings of the unit disk onto bounded convex domains, *Bull. Soc. Sci. Lett. Łódź* 59 (2009), 25–36, *Sér. Rech. Déform.* 59.

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[27] (with D. Partyka) Quasiconformal and Lipschitz harmonic mappings of the unit disk onto bounded convex domains, *Ann. Acad. Sci. Fenn. Math.* 39(2014), 811-830.

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[29] (with D. Partyka and J. Zhu) Quasiconformal harmonic mappings with the convex holomorphic part, *Ann. Acad. Sci. Fenn. Math.* 43(2018), 401-418.

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Translation :

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