

İSTANBUL ANALYSIS SEMINARS

HARMONIC MAPPINGS FOR WHICH ANALYTIC PART IS AN α -SPIRALLIKE JANOWSKI FUNCTION

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Abstract: In the present talk, we will give the extent of the result, which was introduced by R. M. Robinson [2], and used by K. Sakaguchi [3] and R.J. Libera [1]. One of the interesting applications of this fact is an investigation of the class of harmonic mapping for which analytic part belongs to the well-known classes of univalent functions.

References

- [1] R. J. Libera, "Some classes of regular univalent functions," *Proc. Amer. Math. Soc.* **16** (1965), 755-758.
- [2] R.M. Robinson, "Univalent majorants," *Trans. Amer. Math. Soc.* **61** (1947), 1-35.
- [3] J. Sakaguchi, "On a certain univalent mapping," *J. Math. Soc. Japan* **11** (1959), no. 2, 72-75.

Date: December 14, 2012

Time: 15:40

Place: Sabancı University, Karaköy Communication Center
Bankalar Caddesi 2, Karaköy 34420, İstanbul