Introduction to Geometric Function Theory

Santosh B. Joshi

Department of Mathematics, Walchand College of Engineering Sangli, India
E-mail:joshisb@hotmail.com

Abstract

In this lecture we present a historical background to Geometric function theory (GFT). Further, we analyze the main problem in this area: the Bieberbach Conjecture, which is now called as de Branges' theorem. Also we will discuss some open problems.

References

[1] P.L. Duren, Univalent Functions, *Springer Verlag*, New York, 1983.

[2] A.W. Goodman, Univalent Functions Vol I and II, *Mariner Publishing Co. Inc.*, Tampa, Florida, 1983.