

A MAXIMUM MODULUS PRINCIPLE FOR A CLASS OF  
NON-ANALYTIC FUNCTIONS DEFINED IN THE UNIT DISK

MARIA E. GAGEONEA, MIHAI N. PASCU and NICOLAE R. PASCU

*Dedicated to the loving memory of our father, Professor Nicolae N. Pascu  
(22.VII.1942 – 22.IX.2004)*

**Abstract.** We obtain a maximum modulus principle for a large class of non-analytic functions defined in the unit disk. A corollary and an application in the case of real valued functions of two variables are also given.

**MSC 2000.** 30C80.

**Key words.** Maximum modulus principle, non-analytic functions.

REFERENCES

- [1] GAGEONEA, M.E., OWA, S., PASCU, M.N. and PASCU, N.R., *A maximum modulus principle for non-analytic functions* (to appear in Proceedings of International Symposium on Analytic Function Theory, Fractional Calculus and Their Applications, 22-27 August 2005, University of Victoria, Canada).

Received September 22, 2005

*Department of Mathematics  
University of Connecticut  
196 Auditorium Road, U-3009  
Storrs, CT 06269-3009, USA  
E-mail: gageonea@yahoo.com*

*Faculty of Mathematics and Computer Science  
“Transilvania” University of Braşov  
Str. Iuliu Maniu nr. 50  
500091 Braşov, Romania  
E-mail: mihai.pascu@unitbv.ro*

*Green Mountain College  
One College Circle  
Poultney, VT 05764, USA  
E-mail: pascun@greenmtn.edu*