

ON UNIVALENCE CRITERIA FOR MEROMORPHIC FUNCTIONS

ERHAN DENİZ and HALİT ORHAN

**Abstract.** The object of this paper is to obtain some conditions for the univalence of meromorphic functions defined on the punctured unit disk  $U^* = \{z \in \mathbb{C} : 0 < |z| < 1\}$ .

**MSC 2010.** 30C45.

**Key words.** Analytic functions, meromorphic functions, univalence conditions, Loewner chain.

REFERENCES

- [1] FRASIN, B.A. and DARUS, M., *On certain meromorphic functions with positive coefficients*, Southeast Asian Bull. Math., **28** (2004), 615–623.
- [2] POMMERENKE, CH., *Über die Subordination analytischer Funktionen*, J. Reine Angew. Math., **218** (1965), 159–173.
- [3] POMMERENKE, CH., *Univalent functions*, Vandenhoeck Ruprecht in Göttingen, 1975.

*Ataturk University*  
*Faculty of Science*  
*Department of Mathematics*  
*25240 Erzurum, Turkey*  
*E-mail: edeniz336@yahoo.com*  
*E-mail: horhan@atauni.edu.tr*