INVESTIGATING GLOBAL BEHAVIOR OF SOME SYSTEMS OF EXPONENTIAL DIFFERENCE EQUATIONS

Abdul Khaliq¹ and Muhammad Zubair²

¹King Abdul Aziz University, Faculty of Science ²Riphah International University - Lahore Campus

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Abstract

This paper focused to the study of the boundedness, the persistence, and the asymptotic behavior of the positive solutions of the system of three di¤erence equations of exponential form: xn+1 = +exn + "eyn + !yn; yn+1 = +eyn + "ezn + !zn; zn+1 = +ezn + "exn + !xn where ; ; "; and ! are positive constants and the initial values xo; yo; zo are positive real values

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