

Asymptotics for solutions of periodic difference systems

Arancibia, Alejandro Omón

Pinto, Manuel

Using dichotomies and periodic conditions, we obtain asymptotic formulas for solutions of a difference system of Poincaré type with periodic coefficients. Some results about the theory of existence of periodic solutions for linear difference systems are presented. At the end, an open problem on the asymptotic spectral representation is proposed. © 2009 Taylor & Francis.