

Multiple orthogonal polynomials interpretation of some high order Toda systems**05.16****Amilcar Branquinho***(Universidade de Coimbra, Portugal)***Time:** Tuesday 23.07., 17:00 - 17:30, Room HS 3

Abstract: Some discrete dynamical systems defined by a Lax pair are considered. The method of investigation is based on the analysis of the matricial moments for the main operator of the pair. The solutions of these systems are studied in terms of properties of this operator, giving, under some conditions, explicit expressions for the resolvent function.