



Hamilton Institute

Periodicity of Matrix Powers in Max Algebra

(joint work with G. Merlet, T. Nowak & H. Schneider)

Dr. Sergei Sergeev

School of Mathematics
University of Birmingham

Wednesday, August 7, 2013

Abstract

It is well-known that the sequence of max-algebraic powers of irreducible nonnegative matrices is ultimately periodic. We express this periodicity in terms of CSR-representations and give new bounds on the transient time after which the max-algebraic powers become periodic.

Venue: Seminar Room, Hamilton Institute, Science Building, NUI Maynooth

Time: 2.00 - 3.00pm

Travel directions are available at www.hamilton.ie