

Department of Mathematics
University of Delhi
South Campus Colloquium Lectures in Mathematics

You are cordially invited to a lecture

by



Prof. Dr. Ralph Chill
Dresden University of Technology

On
Lyapunov Couples for Semigroups

3.00 pm Monday, 23rd March 2026

Venue:
Seminar Room 317, Arts Faculty,
University of Delhi South Campus

Abstract. Lyapunov functions are a common tool in the qualitative theory of ordinary differential equations or dynamical systems, for example when one wants to study asymptotic behavior of solutions. Lyapunov couples are perhaps less common but also classical: in addition to a Lyapunov function, a second function measures the rate of decay. We review this theory for linear C_0 -semigroups and for nonlinear semigroups.

For further details, contact:

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