

Asymptotic behaviour of flows in infinite networks

E. Sikolya

We consider a transport process on an infinite network and, using the corresponding flow semigroup, investigate its long term behavior. Combining methods from functional analysis, graph theory and stochastics, we are able to characterize the networks for which the flow semigroup converges strongly to a periodic group.

The talk is based on a joint work with B. Dorn and V. Keicher.