Flows in infinite networks

Marjeta Kramar Fijavž University of Ljubljana marjeta.kramar@fgg.uni-lj.si

Christian Budde North-West University Christian.Budde@nwu.ac.za

We consider linear transport processes in infinite metric graphs in the L^{∞} setting. We apply the theory of bi-continuous operator semigroups to obtain well-posedness of the problem under different assumptions on the velocities and for general stochastic matrices appearing in the boundary conditions.