

# List of Publications

PD Dr. Agnes Radl

## Numerical Range

- [1] W. Boubaker, N. Moalla and A. Radl, *On the joint numerical spectrum in Banach spaces*, to appear in Bull. Iranian Math. Soc., DOI 10.1007/s41980-018-0136-4.
- [2] A. Radl and M. P. H. Wolff, *On the block numerical range of operators on arbitrary Banach spaces*, Oper. Matrices 12 (2018), 229–252.
- [3] M. Adler, W. Dada and A. Radl, *A semigroup approach to the numerical range of operators on Banach spaces*, Semigroup Forum 94 (2017), 51–70.
- [4] A. Radl, *The numerical range of positive operators on Banach lattices*, Positivity 19 (2015), 603–623.
- [5] A. Radl, *Perron-Frobenius type results for the block numerical range*, Proc. Appl. Math. Mech. 14 (2014), 1001–1002.
- [6] A. Radl, C. Tretter and M. Wagenhofer, *The block numerical range of analytic operator functions*, Oper. Matrices 8 (2014), 901–934.
- [7] A. Radl, *The numerical range of positive operators on Hilbert lattices*, Integral Equ. Oper. Theory 75 (2013), 459–472.

## Machine Learning

- [8] U. von Luxburg, A. Radl and M. Hein, *Hitting and commute times in large random neighborhood graphs*, Journal of Machine Learning Research 15 (2014), 1751–1798.
- [9] U. von Luxburg, A. Radl and M. Hein, *Getting lost in space: Large sample analysis of the resistance distance*, Neural Information Processing Systems (NIPS 2010), 2622–2630.
- [10] A. Radl, U. von Luxburg and M. Hein, *The resistance distance is meaningless for large random geometric graphs*, in E. Airoldi, J. Kleinberg, J. Leskovec, J. Tenenbaum (organizers): Analyzing Networks and Learning with Graphs, Workshop held in conjunction with the 22nd Annual Conference on Neural Information Processing Systems (NIPS), <http://snap.stanford.edu/nipsgraphs2009/papers/radl-paper.pdf>, 2009.
- [11] H. Fernau and A. Radl, *Algorithms for learning function distinguishable regular languages*, SSPR and SPR 2002, LNCS 2396, pp. 64–73. Berlin, Springer-Verlag, 2002.

**Queueing Theory**

- [12] A. Haji and A. Radl, *A semigroup approach to the Gnedenko system with single vacation of a repairman*, Semigroup Forum 86 (2013), 41–58.
- [13] A. Haji and A. Radl, *A semigroup approach to queueing systems*, Semigroup Forum 75 (2007), 610–624.
- [14] A. Haji and A. Radl, *Asymptotic stability of the solution of the  $M/M^B/1$  queueing model*, Comput. Math. Appl. 53 (2007), 1411–1420.

**Transport Processes in Networks**

- [15] B. Dorn, M. Kramar Fijavž, R. Nagel and A. Radl, *The semigroup approach to transport processes in networks*, Physica D: Nonlinear Phenomena 239 (2010), 64–73.
- [16] A. Radl, *Transport processes in networks with scattering ramification nodes*, J. Appl. Funct. Anal. 3 (2008), 461–483.

**Theses**

- [17] A. Radl, *Contributions to the numerical range and some applications of semigroup theory*, Habilitationsschrift, Universität Leipzig (2015).
- [18] A. Radl, *Semigroups applied to transport and queueing processes*, Dissertation, Eberhard Karls Universität Tübingen (2006).