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Spectral theory in max algebras

The max algebra is the set of all non-negative numbers with operations $a \oplus b = \max\{a, b\}$ and usual multiplication. These operations satisfy the familiar laws and it is possible to define operations between entrywise non-negative matrices (finite or infinite) and vectors analogically with the usual linear algebra.

We discuss the spectral theory for matrices in this setting.
(Joint work with A. Peperko)