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Mathematical Seminar at University Kiel  
Title: On the Quicksort process

Partial Quicksort sorts partially a list of numbers and provides first the smallest, than the second smallest and so on at the time of discovery. Basically the algorithm is Quicksort sorting always the leftmost remaining list.

The mathematical running time analysis leads to stochastic processes and convergence of these to the Quicksort Process. In this talk we will show the existence of the Quicksort Process via a contraction argument on function space and discuss various convergence results and consequences.