

## Noncommutative martingale inequalities: some recent progress

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Since the pioneering works of Junge, Pisier and Xu from the late nineties, the theory of noncommutative martingales have become a very active area of research, with numerous applications to noncommutative probability theory, noncommutative harmonic analysis and ergodic theory. During the talk, we will be mostly interested in martingale inequalities and discuss some recent results in this direction.