Rotations and Birkhoff sums

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I have written several papers with various coauthors related to Birkhoff sums and averages along rotations. In this talk first I plan to do a survey of these results and in the second part of the talk I will detail my most recent paper on this topic: "Fast and slow points of Birkhoff sums", a joint paper with Frédéric Bayart and Yanick Heurteaux.