

# On some current problems in the theory of function spaces in the disc

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Abstract: This talk, structured in a somewhat atypical way, is partly aimed at the students and young researchers or those who are novice in the field. Its purpose is to review some questions and partial results, some new and some older, on certain problems in the theory of spaces of analytic functions in the unit disc such as the Bloch space or spaces of Bergman-Hardy type. We consider extremal problems for functions and operators on such spaces and questions that refer to domination in some sense.

The talk is based on different papers with various coauthors written in the last few years, as well as on some recent work in progress.