Solid hulls of spaces of analytic functions and multipliers

Mieczysław Mastyło

Adam Mickiewicz University Poznań, Poland

Abstract. Using interpolation methods we describe solid hulls of a large class of quasi-Banach spaces of analytic functions on the open unit disc of the complex plane, i.e., the smallest solid sequence space containing Taylor's coefficients of analytic functions of these spaces. We show applications to Hardy–Lorentz, Hardy–Marcinkiewicz and Hardy–Orlicz spaces. In particular we characterize coefficient multipliers from Hardy–Lorentz and Hardy–Marcinkiewicz spaces to any solid sequence space.

The talk is based on a joint work with Paweł Mleczko.