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Some remarks on capacity and Carleson measures

Nicola Arcozzi

UNIVERSITÀ DI BOLOGNA
E-MAIL: arcozzi@dm.unibo.it

Abstract: This is a report on work in progress with R. Rochberg and E. Sawyer. We give an alternative definition of capacity in terms of Carleson measures for the Dirichlet space. As a consequence, give a direct proof that two conditions characterizing Carleson measures for the Dirichlet space are equivalent. Applications to the boundary behavior of Dirichlet functions are also discussed.

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