ON THE GROWTH PROPERTIES AND RANGE OF FUNCTIONS IN MOEBIUS-INVARIANT SPACES

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ABSTRACT. We will try to present a self-contained account of some known and some new growth properties of the functions in analytic (diagonal) Besov spaces, including the Dirichlet space, showing that such estimates are quite sharp. We will also consider the images of the unit disk under univalent functions in these spaces and their geometric properties. Various applications will be mentioned. This talk will be based on recent joint works with S.M. Buckley and also with J.J. Donaire and D. Girela, possibly also with other coauthors.

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