Q_p-SPACES ON BOUNDED SYMMETRIC DOMAINS.

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ABSTRACT. Q_p spaces on the unit disc are Moebius invariant function spaces interpolating between the Bloch space and BMOA on the one hand, and the Dirichlet space on the other. They were introduced, and their basic properties established, in 1995 by Aulaskari, Xiao and Zhao. Later some of these results were extended also to the unit ball or even to strictly pseudoconvex domains in the complex n-space. The talk will briefly review the theory of bounded symmetric domains, of which the disc and the ball are the simplest examples, and then discuss the Q_p spaces in this setting. It turns out that some new phenomena appear, most notably concerning the relationships of these spaces to the various kinds of Bloch spaces on symmetric domains.