RADIAL-TYPE MUCKENHOUPT WEIGHTS

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ABSTRACT. Given a space of homogeneous type (X, d, μ) and $1 < p < \infty$, the main purpose of this note is find sufficient conditions on a function w and on a subset F of X, such that $w(d(x, F))$ belongs to the Muckenhoupt class $A_p(X, d, \mu)$. Here $d(x, F)$ denotes the distance between $x \in X$ and F.