Loredana Caso, Maria Transirico
Some remarks on a class of weight functions

Abstract: In this paper we obtain some results about a class of functions $\rho : \Omega \to R_+$, where Ω is an open set of R^n, which are related to the distance function from a fixed subset $S_\rho \subset \partial\Omega$. We deduce some imbedding theorems in weighted Sobolev spaces, where the weight function is a power of a function ρ.

1