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*Some remarks on a class of weight functions*

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**Abstract:** In this paper we obtain some results about a class of functions  $\rho : \Omega \rightarrow R_+$ , where  $\Omega$  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  $\rho$ .

**Keywords:** weight functions, weighted Sobolev spaces

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