

ERRATUM to

Embeddings of Sobolev Spaces with Weights of Power Type

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Theorem 1.2 in the above mentioned paper (this journal 4 (1985), 25–34) stating the validity of the embedding

$$H^{k,p}(\Omega; d_M, \varepsilon) \hookrightarrow W_M^{k,p}(\Omega; d_M, \varepsilon)$$

does not hold under the assumption on Ω (boundedness only) and M ($\emptyset \neq M \subset \partial\Omega$). The correct assumptions read as follows:

Let Ω be bounded in \mathbf{R}^N and $\emptyset \neq M \subset \bar{\Omega}$. Let Ω have the segment property at all points except those of \bar{M} and in a neighbourhood of $(\partial\Omega - \bar{M}) \cap \bar{M}$ (i.e. in a neighbourhood of the boundary of $\partial\Omega - M$) let the inner cone condition be fulfilled.

The new proof of Theorem 1.2, which is a slight modification of that published, will be given in a paper of J. RÁKOSNÍK submitted to the Proceedings of the 27th semester of the Banach Center in Warsaw, Spring 1986 (Banach Center Publications, PWN — Polish Scientific Publishers, Warszawa 1987).

Let us note that the new version of the theorem extends the old one admitting also sets M which lie inside of Ω .

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