EMBEDDINGS BETWEEN DISCRETE WEIGHTED LEBESGUE SPACES WITH VARIABLE EXPONENTS

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Abstract. Given mappings $p, q, v, w : \mathbb{Z} \to (0, \infty)$ we can consider discrete weighted Lebesgue spaces $\ell^{\{p_n\}}(v_n)$ and $\ell^{\{q_n\}}(w_n)$ with variable exponents. The necessary and sufficient condition to the p, q, v, w for the embedding $\ell^{\{p_n\}}(v_n) \hookrightarrow \ell^{\{q_n\}}(w_n)$ is given.

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