

ON THE MUTUALLY NON ISOMORPHIC $\ell_p(\ell_q)$ SPACES

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ABSTRACT. Pilar Cembranos and I have studied for some time the following problem: “Given p_0, p_1, q_0, q_1 , when do the sequence spaces $\ell_{p_0}(\ell_{q_0})$ and $\ell_{p_1}(\ell_{q_1})$ are isomorphic?” I would like to give a survey of the known answers to this question (or family of questions) and comment some related facts and open problems.

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