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**Dale Alspach\***, Department of Mathematics, Oklahoma State University, 401 Mathematical Sciences, Stillwater, OK 74078, and **Eloi M. Galego**. *Geometry of the Banach spaces  $C(\beta\mathbb{N} \times K, l_p)$  for compact metric spaces  $K$ .*

We provide the complete isomorphic classification of the spaces  $C(\beta\mathbb{N} \times K, l_p)$  of all continuous  $l_p$ -valued functions,  $1 \leq p < \infty$ , defined on the topological product of the Stone-Cech compactification of the natural numbers  $\mathbb{N}$  and an arbitrary infinite compact metric space  $K$ . The results can be reformulated as classifying spaces of compact operators since these spaces are isomorphic to spaces of compact operators from  $l_1$  into  $C(K, l_p)$ . (Received September 08, 2010)