

1047-46-393

Timur Oikhberg* (toikhber@math.uci.edu), Department of Mathematics, University of California - Irvine, Irvine, CA 92617, and **Christian Rosendal**. *An operator space with “few” subspaces (joint work with C.Rosendal).*

Recently, the problem of describing the complexity of the isomorphism relation between subspaces of a separable Banach space has attracted much attention. It has been shown that the relation of isomorphism on the set of subspaces of a separable Banach space X (denoted by $S(X)$) is Borel reducible to the complete analytic relation. The question of whether this relation must be complete analytic whenever X is not isomorphic to a Hilbert space is open. We present an example of a separable operator space X for which the relation of complete isomorphism on $S(X)$ is complete K_σ , and discuss additional properties of this space. (Received February 02, 2009)