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PUC-RJ, Rua Marques de Sao Vicente, 225, Edificio Cardeal Leme, sala 401, Rio de Janeiro, RJ  
22451-900, Brazil. *Regular Subspaces and Completely Nonunitary Tensor Products.*

Preservation by tensor product of Hilbert space operators has been much investigated, say, in the past ten years. Some properties do travel well from a pair of operators to their tensor product (sample: normality, subnormality, hyponormality, among many others, are preserved by tensor product). However, there are some important sort of properties that do not survive tensor product preservation (for instance the properties of being paranormal or spectraloid are not preserved when taking tensor products). Recently, the concept of regular subspaces of a tensor product was suggested to investigate the problem of how the property of being completely nonunitary travel from a pair of contractions to their tensor product. We shall show that, if the Hilbert spaces are separable, then the tensor product of a pair of contractions is a completely nonunitary contraction if and only if one of the factors is completely nonunitary. (Received February 28, 2008)