

# Positive Maps and Entanglement in Real Hilbert Spaces

Vern Paulsen  
University of Waterloo

We look at the similarities and differences for the concepts of separability, entanglement, partially entanglement breaking, and the PPT<sup>2</sup> conjecture when the Hilbert spaces are assumed to be real. The talk is based on joint work with G. Chiribella, K. Davidson, and M. Rahaman.