1038-46-167 **Marius Junge***, 1409 West Green Street, Urbana, IL 61801. *Some applications of operator space techniques in quantum information.* Preliminary report.

From a theoretical point of view quantum information theory is about completely positive maps, and operator algebraists have a lot to say about those. More recently, there have been some applications of tensor product techniques to problems in quantum information theory, and operator space theory tells us a bit about certain tensor norms. We will discuss applications to the cb-version of entropy and violation of Bell inequalities for more than three parties. (Received February 07, 2008)