

HONOURS SEMINAR

Daniel Krumer

Quantum Entanglement

Supervised by Remus Floricel

Wednesday April 27

3:30 pm

Math Lounge, CW 307.14

Abstract:

We continue the discussion on W. Arveson's work in quantum entanglement. We will recall the beautiful construction of an entanglement norm along with the entanglement criteria it induces in the general case of an arbitrary Hilbert space. We will further proceed to the particular case when Hilbert spaces are presented as N -fold tensor products and see how the constructions, described in the general case, are characterized in this case.