

Abstract Submitted
for the MAS14 Meeting of
The American Physical Society

Renyi Entropies and Generating Invariants of Local Conjugation

JACOB TURNER, JASON MORTON, Penn State University — We investigate the invariant ring of density matrices acted upon by conjugation of a tensor product of Unitary Groups. This is often called Local Conjugation. We find a minimal, algebraically independent set of generators for this ring and see that they are closely related to the Renyi Entropies.

Renee Diehl
Pennsylvania State Univ

Date submitted: 09 Sep 2014

Electronic form version 1.4