

DIFFERENT VARIANTS OF GENERALISED OPERATOR NORM CONVERGENCE

Olaf **POST**

Fachbereich 4–Mathematik, Universität Trier

Trier, Germany

olaf.post@uni-trier.de

Abstract

In this talk, we present different concepts of how to compare the distance in operator norm of operators acting in different Hilbert spaces. We establish equivalence of the distances in certain situations and compare it with some spectral distance. We also introduce a related notion of convergence, applicable for resolvents of operators acting in varying Hilbert spaces.

This is a joint work with Sebastian Zimmer, Trier.