Department of Mathematics, BGU

Noncommutative Analysis

On Wednesday, September ,14 2022

At 15:00 – 16:00

In 101-

Amit Bengiat (BGU)

will talk about

Taylor-Taylor expansion for higher order NC functions and applications

Abstract: This lecture extends some standard results familiar from undergraduate calculus to the setting of higher order noncommutative functions. These extensions are accomplished using a dffierence-dffierential operator combining algebraic and topological properties. The results include the Taylor formula and an antiderivative. The Taylor formula is applied to obtain results about power series on nilpotent matrices and convergence in dffierent topologies.

Please Note the Unusual Day, Time and Place!