המחלקה למתמטיקה, בן-גוריון

אלגבראות של אופרטורים ותורת האופרטורים

ביום *שני, 28 בנובמבר, 2022*

בשעה *16:00 – 17:00*

ב-*101 (basement)*

ההרצאה

NC the in application its and problem Gleason NC class Cowen-Douglas

תינתן על-ידי

(BGU) Deb Prahllad

תקציר: In this talk, I will discuss a analogue (nc) noncommutative of the "NC the in application its and problem Gleason maximal the studying in Gleason Andrew by studied first was problem Gleason the fi that showed he particular, In algebra. Banach commutative a of ideals vanishing $\mathcal{A}(\mathbb{B}(0,1))$ algebra Banach the in functions of consisting ideal maximal coordinate the by generated be to has it then generated finitely is origin the at on functions holomorphic of algebra Banach the is $\mathcal{A}(\mathbb{B}(0,1))$ where functions up extended continuously be can which $\mathbb{C}^n$ in 0 at $\mathbb{B}(0,1)$ ball unit open the of algebras in ideals maximal the whether – question The boundary. the to been has – functions coordinate the by generated are functions holomorphic of solution local a of existence the that out turns It problem. Gleason the named class. Cowen-Douglas"

sufficient a provides space Hilbert kernel reproducing a in problem Gleason the operators multiplication of adjoint of tuple the of membership the for condition class. Cowen-Douglas the in functions coordinate by

will I problem, Gleason the of aspects classical these discussing briefly After that show and functions nc analytic unfiormly for counterpart nc its introduce the unlike solvable uniquely locally always is category nc the in problem a such reproducing nc of characterization a obtains one application an As case. classical that so $\mathbb{C}^d_{\text{nc}}$ in domain nc a on functions nc analytic unfiormly of spaces Hilbert coordinate nc the by operators multiplication left of tuple - d the of adjoint the necessary recall will I way, the Along class. Cowen-Douglas nc the in are functions theory. function nc from materials

nc the on Vinnikov Professor with jointly work ongoing my of part a is This class. Cowen-Douglas