המחלקה למתמטיקה, בן-גוריון

אלגבראות של אופרטורים ותורת האופרטורים

ההרצאה

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

תינתן על-ידי

Deb Prahllad (BGU)

תקציר: Part) 2 of the talk from last week.(
In this talk, I will discuss a noncommutative (nc) analogue of the Gleason "NC Cowen-Douglas" class. The Gleason problem was first studied by Andrew Gleason in studying the maximal ideals of a commutative Banach algebra. In particular, he showed that the fi maximal ideal origin the at vanishing $\mathcal{A}(\mathbb{B}(0,1))$ algebra Banach the in functions of consisting where functions coordinate the by generated be to has it then generated finitely is ball unit open the on functions holomorphic of algebra Banach the is $\mathcal{A}(\mathbb{B}(0,1))$ The boundary. the to up extended continuously be can which $\mathbb{C}^n$ in 0 at $\mathbb{B}(0,1)$ are functions holomorphic of algebras in ideals maximal the whether – question problem. Gleason the named been has – functions coordinate the by generated

a in problem Gleason the of solution local a of existence the that out turns It membership the for condition sufficient a provides space Hilbert kernel reproducing the in functions coordinate by operators multiplication of adjoint of tuple the of

class. Cowen-Douglas

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 $\mathbb{C}_{\mathrm{nc}}^d$ 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