

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 11 בדצמבר, 2018

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

### analytic noncommutative and algebras Operator geometry

חינתן על-ידי

University) (Waterloo Shamovich Eli

analytic of space Hilbert the is  $H^2(\mathbb{D})$  space Hardy The **תקציר:**  
fundamental a is coefficients Taylor summable square with disc unit the on functions  
multiplication of operator The algebras. operator in and theory function in both object  
polynomial the over module a into  $H^2(\mathbb{D})$  turns function coordinate the by  
whenever that sense the in universal, is space this Moreover,  $\mathbb{C}[z]$ . ring  
acts  $z$  that such  $\mathbb{C}[z]$ , over  $\mathcal{H}$  module Hilbert a have we  
of copies several of quotient a is  $\mathcal{H}$  that have we contraction, row pure a by  
submodule. a by  $H^2(\mathbb{D})$   
commutative one property, this of generalizations multivariable two are There  
the ways several in is generalization free the why show will I free. one and  
space Hardy noncommutative the of quotients discuss then will We one. correct

naturally quotient such Each algebras. operator universal associated their and  
to question natural a is it and variety analytic noncommutative a to rise gives  
will I one. algebraic operator the determine data geometric the does extent what  
question. this to answers several provide  
analysis complex and spaces Hilbert on operators with familiarity basic Only  
assumed. is