

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 13 בדצמבר, 2016

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

quantum algebraic of semantics geometric A mechanics

חינתן על-ידי

(Oxford) Zilber Boris

תקציר: We approach the formalism of quantum mechanics from the conventional point of view and treat canonical commutation relations and the semantics of quantum mechanics. We aim to establish a geometric syntax for quantum mechanics based on calculus of syntactic algebras. This leads to a geometric approach to quantum mechanics which operators, evolution time of action the with states of space the model, a give to us allows space the of nature finitary The models. finite of limit a is quantities. mechanical quantum classical various calculate and meaning precise commutation canonical the of semantics "The paper my on based is talk This arxiv.org/abs/1604.07745 relation"