

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 13 ביוני, 2017

בשעה 14:30 – 15:30

בMath-101

ההרצאה

and archimedean in problem Calabi-Yau The geometry non-archimedean

חינתן על-ידי

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תקציר: We describe the Calabi-Yau problem on complex manifolds and its analog in non-archimedean geometry. On complex manifolds, the Calabi-Yau problem asks for locally solutions of the Monge-Ampère type. The Calabi-Yau problem was posed by Calabi in 1954 and solved by Yau in 1978. After a brief introduction to the complex case, we give a report on recent progress in the non-archimedean case.