

המחלקה למתמטיקה, בן-גוריון

גאומטריה אלגברית ותורת המספרים

ביום רביעי, 1 בנובמבר, 2017

בשעה 15:10 – 16:30

ב-101 Math

ההרצאה

in varieties Shimura unitary on Foliations characteristic positive

חינתן על-ידי

(University (Hebrew Shalit de Ehud

תקציר: Let E be a field of characteristic p and S a Shimura variety of type (n, m) over E . We study the natural foliation on S and its properties. We show that the foliation is integral and that the stratum μ -ordinary is non-certain. We also study the blow-up of S at a singular point p and the structure of the foliation at p . We get new results on the singularities of the foliation and on the integral study of submanifolds of Shimura varieties. As a result we get a new type of conjecture of Andre-Oort.