***Семинар Лаборатории Алгебраической геометрии и ее приложений***

Семинар состоится в пятницу 24 февраля 2017 года**.**

**Начало в 17:00.**

Семинар будет проходить по адресу: **ул. Усачева, д.6, аудитория 306**

|  |  |
| --- | --- |
| На семинаре выступит Федор Богомолов **(Courant Institute, ВШЭ)** с докладом: | C:\Users\user\Desktop\ВЕРА\Фото\Богомолов.jpg |

***Geometry of sets of torsion points on elliptic curves***

**Abstract: In this talk I introduce and discuss geometry of curves parametrizing subset of points in $P^1$ obtained as projections of torsion points of elliptic curves. For every subset of different $k$ points in $P^1$ we can define it's image in the moduli  $M\_{0,k}$ of $k$-tuples of points which is essentially  a quotient of projective space $S^kP^1= P^k$ by the action of $PGL(2)$. Thus $M\_{0,k}$ is a rational variety of dimension $k-3$. If we consider the images of points of finite order in different elliptic curves under natural projections then we obtain an (infinite) system of modular typoe curves with maps into $M\_{0,k}$ I will formulate   
three conjectures (semi theorems) about properties of such maps which provide a possiblity of realistic universal estimate for intersections between subset of torsion points for different elliptic curves.**

***Приглашаются все желающие!***