Seminar on abelian varieties

In July, at IM PAN, there will be a seminar devoted to reading together of a series of papers on Jacobians, Prym varieties, other abelian varieties and on Picard sheaves. We want to study these varieties with the help of some properties of vector bundles on them. An example of a result in this direction is the following theorem of Debarre: "On a Jacobian there is a vector bundle of rank equal to its dimension, and a section of the bundle which vanishes precisely at a single point". Debarre speculates that, appropriately formulated, this property may serve to characterize Jacobians, giving an alternative solution to the Schottky problem.

We shall assume some basic algebraic geometry and basic results on abelian varieties.

We shall meet on Tuesdays and Fridays at 10:30 in Room 408.

The first meeting will take place on Friday 4.07.

See you at this summer IMPANGA seminar,

Jesse Kass and Piotr Pragacz