FOURIER-MUKAI TRANSFORM AND VECTOR BUNDLES ON ABELIAN VARIETY

ABSTRACT. It's paper reading seminar about Fourier-Mukai transform and its applications on semi-homogenous bundles on abelian varieties.

SCHEDULE

Talk 1: Background and preliminaries (Songsong Huang 09/12).

Talk 2: Fourier-Mukai interpretation of Atiyah's classical classification (Bowen Liu 09/19).

Talk 3: Picard functor and Poincaré bundle (Songsong Huang 09/26).

Talk 4: Homogenous bundle on abelian variety (Bowen Liu 10/10).

Talk 5: Semi-homogenous bundle on abelian variety I (Songsong Huang 10/19).

Talk 6: Semi-homogenous bundle on abelian variety II (Bowen Liu 10/24).

REFERENCES