

СЕКЦИЯ

„АЛГЕБРА И ЛОГИКА”

Драги колеги,

На 25 април 2025 г. (петък) от 13:00 часа в зала 578 на ИМИ-БАН ще се проведе присъствено заседание на семинара по Алгебра и логика.

Доклад на тема

Hilbert scheme of smooth projective curves and some easy examples

ще изнесе

Changho Keem (Seoul National University, South Korea).

От секция „Алгебра и логика” на ИМИ – БАН

<http://www.math.bas.bg/algebra/seminarAiL/>

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Abstract:

Hilbert scheme is a parameter space for a family of projective algebraic varieties sharing a given fixed Hilbert polynomial. In this talk, we will discuss the following topics concerning the Hilbert scheme of smooth projective algebraic curves.

1. Irreducibility problem of the restricted Hilbert scheme of curves.
2. Some easy examples of reducible Hilbert schemes inside or outside the Brill-Noether range.
3. The existence of more than expected dimensional components whose image under the moduli map has small codimension inside the moduli space of curves of genus g .