



# YONSEI

## Math-CSE Colloquium

### Asymptotic syzygies of algebraic varieties

**박진형**

**KAIST 수리과학과**

The study of defining equations of algebraic varieties is a fundamental subject of classical algebraic geometry. After the pioneering work of Mark Green in 1980's, people realized that classical results on defining equations of algebraic varieties can be regarded as the beginning of a more general picture for their "syzygies". A decade ago, Lawrence Ein and Robert Lazarsfeld proposed to study the overall asymptotic behavior of syzygies as the positivity of the embedding line bundle grows. In this talk, we show that the asymptotic syzygies have a surprisingly uniform shape.

**2022. 05. 26. (목) 17:00**

**Sci. Building #225, Yonsei University / ZOOM (동시중계)**

주최 : 4단계 BK21 수리과학 및 계산 교육연구단 (연세대학교 수학과산학부)

문의 : 최 영 필 ypchoi@yonsei.ac.kr

\*\* 강연 세부사항은 학과 홈페이지를 참조하시기 바랍니다.