YONSEI
Math-CSE Colloquium

대수 곡면의 분류 문제

금종해
고등과학원 수학부

In dimension one, any smooth algebraic curve (compact Riemann surface) with minimal Betti numbers must be isomorphic to the complex projective line (Riemann sphere).
In dimension two, i.e., for algebraic surfaces, similar classification is much more complicated and has long been studied.
If the algebraic surfaces are allowed to have mild singulariies, then the study of these surfaces are related to the study of circle actions of the 5-dimensional sphere in differential topology.

I will describe examples and report recent progress in the study of such surfaces, including the famous smooth examples, fake projective planes.

2022. 04. 07. (목) 17:00

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

주최 : 4단계 BK21 수리과학 및 계산 교육연구단 (연세대학교 수학계산학부)
문의 : 최 영 필 ypchoi@yonse.ac.kr

** 강연 세부사항은 학과 홈페이지를 참조하시기 바랍니다.