COURSE DETAIL

DERIVED CATEGORIES OF COHERENT SHEAVES
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 175
UCEAP Course Suffix
UCEAP Official Title DERIVED CATEGORIES OF COHERENT SHEAVES
UCEAP Transcript Title COHERENT SHEAVES
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

The course begins with the basics of derived categories including semi-orthogonal decompositions and Fourier-Mukai transforms. The course then discusses some recent developments related to derived categories of coherent sheaves, such as homological projective duality, stability conditions, noncommutative crepant resolutions, or derived categories and GIT.

Language(s) of Instruction
English

Host Institution Course Number
MATH5275

Host Institution Course Title
DERIVED CATEGORIES OF COHERENT SHEAVES

Host Institution Course Details
https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=221%20U9200&c...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

Print