

## INTRODUCTION TO THE K-STABILITY OF FANO VARIETIES

**Start:**

Thursday 7th November 2024  
from 1pm to 5pm

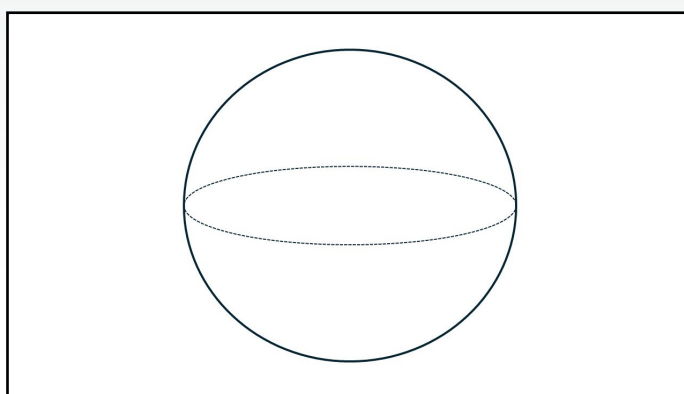
**Finish:**

Friday 8th November 2024  
from 9am to 1pm

**Venue:**

UCL,  
Department of Mathematics,  
Room 706, 7th Floor,  
25 Gordon Street,  
London

By Professor Kento Fujita,  
Leverhulme Visiting Professor,  
Brunel University London



**COURSE SUMMARY:**

We focus on recent development for the K-stability of Fano varieties. Especially, one of the goal of the lecture is to know and see an idea of the proof of the valuative criterion for the K-stability of log Fano pairs. If we have time left, then we will see the result of Blum-Liu-Xu, which is one of the fundamental result in this area.

**PREREQUISITES:**

We assume basics of algebraic geometry and singularities relevant to the minimal model program.

Participants are asked to register by emailing:

[office@ltcc.ac.uk](mailto:office@ltcc.ac.uk)  
[www.ltcc.ac.uk](http://www.ltcc.ac.uk)

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The London Taught Course Centre's Intensive Courses are freely open to all PhD students and academics in the Mathematical Sciences in the UK and outside, subject to suitable space being available.

The course will run within a 24 hour period.