

Name:

Hiromu Tanaka

Research field:

Algebraic Geometry

Key words:

Birational Geometry, Minimal Model Program

Summary of current research:

I study minimal model program in positive characteristic. There are some distinctive phenomena that appear only in positive characteristic. Such examples are serious obstruction to apply the same strategy as in characteristic zero. I try to find pathological examples to understand the situation in positive characteristic.

Requirements for master-course students:

Before starting the master course, I expect you to finish Chapter II and Chapter III of Hartshorne's textbook (GTM 52).