Base point free reading notes Spring 2025

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1 Overview

The aim of this series of notes is to summarize recent developments in the Kähler minimal model program. We will divide the discussion into several topics. This note is intended as an overview of what is currently known about the Kähler minimal model program, and it briefly sketches some important ideas that appear along the way.

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2 Cone Theorems

The original proof of cone theorem requires the Mori bend and break techniques. Unfortunately, it remains an open question for Kähler manifold. And