

Recent development about the strong openness conjecture and effective version of the semicontinuity theorem

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In this talk, we show how to apply the original L^2 -extension theorem of Ohsawa and Takegoshi to the standard basis of a multiplier ideal sheaf associated with a plurisubharmonic function. In this way, we are able to reprove the strong openness conjecture and to obtain an effective version of the semicontinuity theorem for weighted log canonical thresholds.