HODGE THEORY FOR RANK 1 LOCAL SYSTEMS IN QUASI-COMPACT KÄHLER MANIFOLDS AND SOME APPLICATIONS

Speaker:Ya Deng/Junyan Cao
French National Centre for Scientific Research
/Universit éNice Sophia Antipolis

Time:Thu., Dec. 18th, 16:00-18:00

Tencent Meeting ID:843-502-621

Abstract: Hodge theory plays an important role in complex geometry. In these two talks, we will explain how to establish a Hodge theory for rank 1 local systems in quasi-compact Kähler manifolds. For applications, we will discuss the jumping locus properties and generic vanishing theorem. It is a joint with C. Hacon and M. Paun.