

Osamu Fujino: **On semi-log canonical pairs**

The notion of semi-log canonical singularities was introduced by Kollár and Shepherd-Barron in order to investigate compactifications of moduli spaces for surfaces of general type. In this talk, I will explain various properties of semi-log canonical pairs. The semipositivity theorems for semi-log canonical pairs, which come from graded polarizable admissible variations of mixed Hodge structure, play important roles for moduli problems. I have completed Kollár's projectivity criterion for the moduli spaces of higher-dimensional stable varieties.