

**DIRICHLET PROBLEM FOR COMPLEX HESSIAN
EQUATIONS ON k -PSEUDOCONVEX DOMAINS IN
 \mathbb{C}^N**

Speaker: Qiqi Zhang
University of Science and Technology of China

Time: Tue, Apr 13, 15:00-16:00

Tencent ID: 643 219 471

Abstract: We study the regularity of weak solution to general complex Hessian equation when Ω is not strictly pseudoconvex but k -pseudoconvex of plurisubharmonic type m which generalizes the result of S. Y. Li who studied the Monge-Ampère equation. The regularity depends on type and some interesting gap phenomenon appear in the sharp regularity.