



## PDE approach in infinite-dimensional complex analysis

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Abstract: The classical  $L^2$  approach is a basic tool in complex analysis of several variables. Naturally, one expected to extend it to infinite-dimensional complex analysis, but this is a longstanding unsolved problem. The main purpose in this work is to establish  $L^2$  estimates and existence theorems for the  $\bar{\partial}$  operators in general pseudo-convex domains of infinite dimensions. For this purpose, we introduce several new concepts and techniques, which have independent interest to be adopted to study some other problems in infinite-dimensional analysis. (This is a joint work with Zhouzhe Wang and Jiayang Yu).

### 讲座时间:

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会议地点: ZOOM会议室 会议ID: 354 143 7366 密码: 123456

### 主办单位:

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