



香港中文大學
The Chinese University of Hong Kong



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FIRST IN
CHANGE

Analysis and PDE Seminar

Professor Zhi-An Wang

Department of Applied Mathematics, The Hong Kong Polytechnic University

TITLE: Boundary spike/layer solutions of chemotaxis models

Date : Dec 5th, 2023 (Tuesday)

Time : 10am-11am (Hong Kong time)

11am-12noon (Korea time)



Link to ZOOM : <https://unist-kr.zoom.us/j/3170659442>

Meeting ID : 317 065 9442

Password : APDE21

Abstract. In this talk, we shall report some progress made on boundary spike or layer solutions of chemotaxis models with physical boundary conditions: zero-flux and Dirichlet mixed boundary conditions based on some real experiment. We exploit a variety of questions such as the existence and stability of boundary spike/layer solution, the effect of boundary curvature on the boundary-layer profile and so on.

All are welcome

This is a joint activity organized by Department of Mathematics, The Chinese University of Hong Kong, Hong Kong; Department of Mathematics, Institute of Mathematical Research, Research Division of Mathematical and Statistical Science, The University of Hong Kong, Hong Kong; and Department of Mathematical Sciences, Ulsan National Institute of Science and Technology, Korea. More details can be found in https://hkumath.hku.hk/~imr/event/CUHK_HKU_UNIST_Analysis_and_PDE/index.php.

