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FIRST IN
CHANGE

Analysis and PDE Seminar

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TITLE: Detached shock past a blunt body

Date : March 16th, 2022 (Wednesday)

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. The shock polar analysis shows that if a weak solution of steady Euler system for inviscid compressible flow has a shock past a blunt body, then the shock cannot be attached to the blunt body. This observation naturally raises a question on the existence of a detached shock solution past a blunt body. In this talk, I will present a recent result on the existence of detached shocks past a blunt body with a asymptotic state at far field. If time permits, I will also discuss on open problems on detached shocks. This talk is based on a joint work with Wei Xiang (City University of Hong Kong).

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.

