

國立中央大學

統計研究所

學術演講

主 講 人：黃信誠 研究員（中央研究院 統計科學研究所）

講 題：Multi-Resolution Spatial Basis Functions and Their Applications

時 間：109年12月01日（星期二）上午11：00 ~ 12：00

地 點：中央大學鴻經館M429室

茶 會：上午 10：30 ~ 11：00 地 點：鴻經館 510 室

ABSTRACT

In this talk, I will introduce a class of basis functions extracted from thin-plate splines. The functions are ordered in terms of their degrees of smoothness, with higher-order functions corresponding to larger-scale features and lower-order ones corresponding to smaller-scale details, leading to a multi-resolution representation of a function in space. The proposed basis functions automatically adaptive to data locations that may be irregularly located in space. Applications of these basis functions to various spatial data analysis problems, including spatial extremes analysis, spatial varying coefficient models, and spatial models on spheres, will be given.

◎敬請張貼

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