

國立中山大學應用數學系

學術演講

講者：Professor Krishna Athreya
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講題：Some applications of probability theory to
analysis results

時間：2016/6/14（星期二）15:00 ~ 15:50

地點：理學院二樓理 SC 2001 室

摘要

Topic 1. We show using the weak law of large numbers for the coin tossing case that polynomials are dense in $C[0,1]$ in sup norm topology proving a Wierstrass result. Topic 2. Using Poisson distribution, we prove Stirlings approximation for $n!$. Topic 3. Using local CLT for lattice case we prove an approximation of sums of powers of multinomial probabilities solving a problem posed by Polya and Szego in their 1925 book. If some time is left I shall talk about a recent note of mine on a N and S version of Scheffe's thmeorem.

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