國立陽明交通大學應用數學系
學術演講公告

主講人：Prof. Tin-Yau Tam

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講 題：Extensions of Yamamoto-Nayak's asymptotic theorem

時 間：113 年 1 月 12 日(星期五) 上午 11:00 –12:00

地 點：(光復校區) 科學一館 223 室

Abstract

Abstract: A very recent result of Nayak asserts that $\lim_{m\to\infty} |A^m|^{1/m}$ exists for each $n \times n$ complex matrix A, where $|A| = (A^*A)^{1/2}$, and the limit is given in the language of linear transformation. This is an extension of Yamamoto's result in 1967. We extend the result of Nayak, namely, we prove that $\lim_{m\to\infty} |BA^mC|^{1/m}$ exists for any $n \times n$ complex matrices A, B, and C; the limit is given in matrix language and is independent of B. We then provide extensions in the context of real semisimple Lie groups.

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