

Colloquium

Holomorphic Maps Between Fourier Algebras

主講人：王雅書 教授
國立中興大學應用數學系

時 間：104 年 10 月 21 日(三) 14 : 30

地 點：應用數學系多媒體教室（理 408 室）

摘 要：

Let G_1, G_2 be locally compact amenable groups, and let $B_{A(G_1)}(0; r)$ be the open ball in the Fourier algebra $A(G_1)$ centered at 0 of radius $r > 0$. Suppose that $H: B_{A(G_1)}(0; r) \rightarrow A(G_2)$ is a completely bounded, orthogonally additive and multiplicative, and conformal holomorphic map. We show that there exist a piecewise affine homeomorphism $\sigma: G_2 \rightarrow G_1$ and a sequence $\{\omega_n\}$ in the Fourier-Stieltjes algebra $B(G_2)$ such that

$$H(f)(y) = \sum_{n \geq 1} \omega_n(y) f(\sigma(y))^n, \quad \forall f \in B_{A(G_1)}(0; r).$$