Department of Mathematics
The Chinese University of Hong Kong

數學系
香港中文大學

Seminar

A result of structure of amenable groups and its application

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Abstract: Recall that a countable discrete group G is amenable if there exists a sequence $\{F_n : n \in \mathbb{N}\}$ of finite non-empty subsets of G such that $\lim_{n \to \infty} \frac{\#(gF_n \Delta F_n)}{\#(F_n)} = 0$ for any $g \in G$. We will prove that each infinite countable amenable group G admits a tiling with finitely many almost invariant shapes, additionally, we will discuss some application. The talk is based on a joint work with T. Downarowicz and D. Huczek.

Date:	25 January 2016 (Monday)
Time:	9:30 a.m. – 10:30 a.m.
Venue:	Room 219, Lady Shaw Building
	The Chinese University of Hong Kong, Shatin

All are Welcome!