NORTHERN
ARIZONA
UNIVERSITY

Department of Mathematics and Statistics
Colloquium
Tuesday   October 24
AMB 164   4:00 - 5:00 pm

Selective Sum of a Convergent Series

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Abstract

A selective sum of a convergent series is a finite sum or infinite series consisting of a selection of some or

*   all of the terms of the series. Symbolically, for the series $\sum_{n=1}^{\infty} a_n$, the selective sums consist of all series

$\sum_{n=1}^{\infty} c_n a_n$ such that $c_n \in \{0, 1\}$. We will consider the possible values of selective sums of an absolutely

convergent series and connections to other mathematical objects and related results in analysis.

Refreshments at 3:45