Functional Analysis and Mathematical Physics
Interdepartmental Research Group
(FAMP)
Colloquium Series
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Talk 5: *On Linear Chaos in the Space of Convergent Sequences*

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Abstract

We show that linear chaos in the space $c(\mathbb{N})$ of convergent sequences cannot be arrived at by merely extending the known weighted backward shifts in the space $c_0(\mathbb{N})$ of vanishing sequences and construct bounded and unbounded linear chaotic operators in $c(\mathbb{N})$ as conjugate to the chaotic backward shifts in $c_0(\mathbb{Z}_+)$ via a homeomorphic isomorphism between the two spaces.

Friday, April 29, 10:00 - 11:00 AM (PDT)

Online via Zoom at
https://fresnostate.zoom.us/j/5233106532