

## **abstract**

ANALYSIS SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We investigate the Bilinear Hilbert Transform in the plane and the pointwise convergence of bilinear averages in Ergodic theory, arising from  $\mathbb{Z}^2$  actions. Our techniques combine novel one and a half dimensional phase-space analysis with more standard one dimensional theory. This is joint work with Christoph Thiele.