THE UNIVERSITY OF CHICAGO

COMPUTATIONAL AND APPLIED MATHEMATICS COLLOQUIUM

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Approximate Vector Bundles

THURSDAY, October 28, 2021 at 4:00pm
Jones 303, 5747 S. Ellis Ave. Chicago, IL 60637

Many data science tasks—like dimensionality reduction or synchronization problems—can be phrased in terms of bundle-theoretic constructions. However, noise and error measurements can prevent said interpretations from being readily applicable in practice. In this talk, I will present recent work introducing notions of approximate and discrete vector bundles, along with examples of how they can be applied.

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