

## **Frame Theory Meets Algebraic Geometry.**

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Frames afford redundant representations of data that often have simple reconstruction formulas. There are applications of frames in such fields as signal quantization, image processing, quantum computing, and wireless communication. The robustness of frame representations and the stability of the reconstruction formulas can be expressed using ideas from algebraic geometry. However, this connection between frames and algebraic geometry has only begun to be explored. This talk will present some background in algebraic geometry and how it connects to frame theory.