

# ***Talk Math 2 Me***

## Properties of *k-Residue*

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DERR 329

11:00am–11:55am

### **Abstract**

The *k-residue*, given by a polynomial time algorithm on a graphic degree sequence of some graph  $G$ , is a known lower bound for for *k-independence number* for  $G$ . In this presentation, a brief history of the development and uses of *k-residue* is given, followed by a summary of current research and results, developed by the authors.

**Note:** This is a joint work with David Amos and Dr. Ryan Pepper, Department of Computer and Mathematical Sciences, University of Houston

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