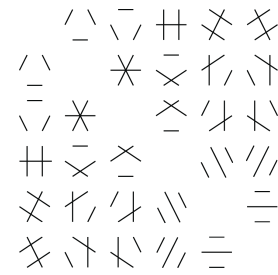


Mathematics Seminar



Rocky Mountain Algebraic Combinatorics Seminar

Real World Problems regarding Cryptographic Key Management

Joseph Gersch
Secure64 Software Corporation

Email, secure web transactions, and the Internet of Things (IoT) all rely on cryptographic algorithms to enable identity, authentication, authorization and privacy. Although the cryptography itself has solid foundations, applications also require methods for effective key management and distribution such as PKI certificates or PGP key servers. Dr. Gersch will describe the issues and outright failures in current methods used to manage and distribute cryptographic keys required to safeguard Internet based applications. The talk will be accessible to general audience mathematicians/computer scientists.

Working with tensors: a lesson from examples.

Joshua Maglione
CSU

We report on our survey of invariants of more than 500,000,000 tensors. We find that there is an abundance of structure that has been ignored. We detail the results and some applications, and we describe methods necessary to compute on such a massive scale. This is a report on individual and joint work with P.A. Brooksbank and J.B. Wilson.

Weber 223
4-6 pm
Friday, November 11, 2016
(Refreshments in Weber 117, 3:30-4 pm)
Colorado State University

This is a joint Denver U / UC Boulder / UC Denver / U of Wyoming / CSU seminar that meets biweekly.
Anyone interested is welcome to join us at a local restaurant for dinner after the talks.



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