



11-12-2015

# Fusion Algebras & Accidental Trigonometry

Christopher D. Goff

*University of the Pacific*, [cgoff@pacific.edu](mailto:cgoff@pacific.edu)

Follow this and additional works at: <https://scholarlycommons.pacific.edu/cop-facpres>

 Part of the [Mathematics Commons](#)

---

## Recommended Citation

Goff, C. D. (2015). Fusion Algebras & Accidental Trigonometry. Paper presented at Sacramento State University Math Colloquium in Sacramento, CA.

<https://scholarlycommons.pacific.edu/cop-facpres/486>

This Lecture is brought to you for free and open access by the All Faculty Scholarship at Scholarly Commons. It has been accepted for inclusion in College of the Pacific Faculty Presentations by an authorized administrator of Scholarly Commons. For more information, please contact [mgibney@pacific.edu](mailto:mgibney@pacific.edu).

# MATHEMATICS COLLOQUIUM

*The Department of Mathematics and Statistics  
welcomes*

## **Professor Christopher Goff**

*The University of Pacific*

### **Accidental Trigonometry**

ABSTRACT: Have you ever been working in one area of math, and another area arises unexpectedly? While working on a problem in 2008, we inadvertently discovered some trigonometric identities. This talk will explain fusion algebras, which are relatively simple algebraic objects that demonstrate nice algebraic applications of linear algebra. Then we will see how trigonometry can arise in even this most algebraic of settings.

Thursday, November 12

3:00- 3:50 pm

Douglass Hall 105