



AMERICAN UNIVERSITY  
WASHINGTON, D C

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THE DEPARTMENT OF MATHEMATICS AND STATISTICS COLLOQUIUM

# The Fibonacci Sequence - Exposed

Professor Dan Kalman  
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3:30 p.m. on Tuesday, September 24<sup>th</sup>

Ward 303

**Abstract:** Everyone knows about the Fibonacci Numbers. With all of its amazing and fascinating attributes, it is a sort of super-sequence. But what if, like superman, it is really just a rather pedestrian specimen of an entire super-race? Perhaps it acquires all of its powers from the planet of its birth, and in that setting would be neither amazing nor unusual. In this case, the home world is the planet of two-term recurrences, where Fibonacci is just an ordinary Joe.

In this talk I will review a number of famous Fibonacci properties, some well known, others less familiar, and show that they are quite common among others of Fibonacci's kind. So, super sequence, or just a mild mannered recursion? You decide.

*Presented by*

THE AU MATH/STAT DEPARTMENT AND THE AU CHAPTER OF SIGMA XI

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Next Colloquium:

**Tuesday, October 1, 2002 Ward 303**

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**Michael Fay**, The National Institutes of Health  
*Designing Monte Carlo Implementations of Permutation Hypothesis Tests*

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