

DEPARTMENT OF MATHEMATICS
IOWA STATE UNIVERSITY
SUMMER 2004 COLLOQUIA SCHEDULE

Forthcoming Lectures

Colloquium 3:30 - 4:30 pm. June 24 (Thursday), Carver 408
(Refreshment at 3:15 in 404 Carver)

Mathematics of Aviation

Prof. Irvin Hentzel

Abstract

We discuss Bernoulli's statement that the faster the fluid the lower the pressure. We do not think it really applies to an airplane wing. We believe the Coandon effect is more applicable.

We give some peculiar behavior of streams of air and attempt to use the reasoning derived from these experiments to explain what keeps an airplane in the air.

Colloquium 3:30 - 4:30 pm. June 29 (Tuesday), Carver 408
(Refreshment at 3:15 in 404 Carver)

**The Mathematics of Secrecy: An Introduction to Public-Key
Cryptography**

Prof. Cliff Bergman

Colloquium 3:30 - 4:30 pm. July 13 (Tuesday), Carver 408
(Refreshment at 3:15 in 404 Carver)

On Brownian Motion, etc.

Prof. Sunder Sethuraman

Colloquium 3:30 - 4:30 pm. July 20 (Tuesday), Carver 408
(Refreshment at 3:15 in 404 Carver)

Title TBA

Prof. Khalid Bushaba