WICHITA STATE UNIVERSITY
Department of Mathematics and Statistics

The Lecture Series in the
Mathematical Sciences Presents Our Guest:

Dr. Harshinder Singh
West Virginia University

"Iso-Chi Squared Testing of 2xk Ordered Tables"

Abstract:
The Pearson chi-squared is the most commonly used test statistic for testing the equality of two multinomial populations when the levels of the categories are nominal. For ordinal levels, typical test statistics are based on scorings of ordinal levels, but the results of these tests are usually dependent on the choice of the increasing scores. We propose a test which does not depend on scores and has been constructed by making a natural modification in the chi-squared statistic to incorporate the ordinal information. This presentation is based on joint work with A. Sampson and S. Gautam.

Friday, April 30, 1999
3:00 PM in 335 Jabara Hall

Please come join us for refreshments before the lecture at 2:30 p.m. in room 353 Jabara Hall.