

Scientific Visualization MAT 5932(special topics) FALL 1991

Instructor: Bellenot Office 002B LOVE Office Hours TR 1:00-2:00pm.
Bellenot is available for appointments most afternoons and the good doctor will answer questions by email to "bellenot@math.fsu.edu".

Grades: Each student will give an oral presentation on some topic the student picks with the instructor's consent. Each student will also complete a project of the student's choice again with the instructor's consent. If the project is "large enough" then the oral presentation will be on this project and the students grade will be entirely based on these two items. Otherwise, there will be additional "small projects" will be assigned and will be considered as part of the student's grade.

Text: There is no required text. There are several recommended texts:

1. Foley, van Dam et. al. the classic book on Computer Graphics, the 2ed costs over \$60.
2. Johnson and Reichard, X window application programing. An introduction to programing using Xlib in C.
3. Adobe, Postscript tutorial and cookbook. A gentle introduction to postscript.
4. Thalman(editor), Scientific Visualization and Graphics Simulation. The only book I found on "sci vi"

From the 'ad'

Can't pick a better buzz word than Scientific Visualization these days to describe Computer Graphics. This will be the first attempt to design a course to fit the departments needs. This time it will be open to all graduate students in Mathematics (previous programing experience is recommended).

This will be a project oriented class. Students will do either one large project or several smaller assignments. Student will also be required to do an oral presentation. (The people doing a large project will speak on their project.)

In some ways this will be a "how to" course. We will explore how to use some of the new math department equipment. We will do color 3D graphics.