

**CS 491/591 Numerical Optimization -
Project #3
Due Oct 25th**

October 17, 2006

Provide implementation design for calculating direct sensitivities in Navier2d.

Identify how each object in the transient sensitivity equation will be calculated and discuss the ramifications of using the adjoint method in this case.

Requirements:

- email tar file with design and documentation to bartv@sandia.gov and add in subject line “UNM 591 Project 3”. Also, name your tar file as follows: student-lastname_proj3.tar
- actual implementation is not required, but encouraged if you are sufficiently motivated.

Note: the preferred documentation software is latex (with dvi, ps or pdf output)