Call for papers: Conference on computational methods in science and engineering Jean-François Brière & Jonathon Sumner March 14th, 2014

Task

Prepare a conference paper (4–6 pages including figures, typed, doublespaced, stapled, using the provided template) and a 5-minute presentation on a computational problem in science, engineering, mathematics or computer science.

Торіс

You are free to choose **any** topic to study so be sure to choose a problem that you find intriguing. The only requirement is that the problem be resolved using a computational approach and touch on some aspect of a science-related field. With your subject in mind, the first step is to formulate your project as the response to a question. Examples of well-formulated and answerable research questions are:

- What is the best angle at which to strike a golf ball for maximum range?
- What is the travel time between any two points on the surface of the Earth if the trajectory is a straight-line path passing through the Earth and the only force involved is that of gravity?
- What is the margin for error in firing angle (in degrees) when trying to strike the target in the Winter Olympics biathlon?
- What is the effect of mass on the trajectory and range of a skia o3yu(ym)14eruTms the13.948 1(t)7((pics)-2)-241(in)-241(-(ht g 0 G

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Note: Although blog posts and responses to critiques are completed as a team, the critiques are to be completed **individually**.

Evaluation

The grade distribution and methods of evaluation are as follows:

Element	Weight	Method of evaluation
Blog activity	5%	Self-evaluation checklist
Final code (Due: May 14th)	5%	Rubric attached
Final presentation (Due: May 16th)	4%	50% peer, 50% teachers
Final report (Due: May 16th)	6%	Rubric attached
Total	20%	

In addition, a *best paper award* will be discerned by a jury of faculty members and submitted for possible publication in Dr. Jes.