Project Report Sheet

Project: Stefan problems (Project 2)

Student name: Jerry Kiely

Total mark = 92

Content and Understanding (maximum 40 marks):

Description of a moving boundary problem, examples:	good
The Stefan boundary condition, physical interpretation:	done
Similarity solutions for the heat equation:	yes
The freezing problem	
The one-phase Stefan problem: solution and graphs:	good
The pseudo-steady state approximation method; asymptotic analysis and comparisons:	done
The two-phase Stefan problem:	good
The continuous casting problem	
Description of the industrial problem:	yes
Solution:	good
Graphs and interpretation of results:	done

Comments: All assigned tasks completed succesfully. Asymptotic justification not included

Mark for this section: 38

Project layout (maximum 40 marks):

Project structure & sections:	good
Use of Latex:	good
Typos, errors etc:	none
Figures/graphics:	axes labels are too small

Comments:
Once again, the axes labels are very small and hard to read. Need punctuation marks after equations. Conclusions are a bit short.

Mark for this section: 36

Independent work, new ideas and contributions (maximum 20 marks):

Originality: very good

Discussions: good

New ideas:

Some lab work on the errors associated with the problem in 2.2 (not included in the project).

Mark for this section: 18

Other comments and suggestions:

Excellent work!