

PROJECT REPORT SHEET

Project: The meat problem (Project 1)

Student name: Jerry Kiely

Total mark = 96

Content and Understanding (maximum 40 marks):

Mathematical model (equations, BC's, significance of parameters):	good
Nondimensionalisation:	done
Analytical solution for roasting model:	good
Infinite series solution calculated:	yes
Maple plots of analytical solution for 5 or 10 terms:	both done, good comparison
Numerical solution, cooking and cooling stages:	yes
Graphs and discussions of cooking/cooling solutions:	good
Table showing the relationship between weight and cooking time:	good
Comparison between analytical and numerical results:	good

Comments:

The cooling stage (initial condition, different parameter values, etc.) is not explained!

Mark for this section: 38

Project layout (maximum 40 marks):

Project structure & sections:	good
Use of Latex:	good
Typos, errors etc:	none
Figures/graphics:	well executed but a bit small and hard to read

Comments:

Try to make the figures larger in Latex; the axes labels are very hard to read!

Mark for this section: 38

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

Originality:	very good
Discussions:	good
New ideas:	
lots of new ways of representing the solutions. Pity you couldn't include the temperature animation in the report!	

Mark for this section: 20

Other comments and suggestions:

Excellent work!