Candidate Number:	**2392F**
Project Title:	**An Optimising Compiler from Haskell to Java Bytecode**
Examination:	Computer Science Tripos – Part II, July 2019
Word Count:	12621 [1]
Lines of Code:	8569 [2]
Project Originator:	The dissertation author
Project Supervisor:	Dr. Timothy Jones

Original Aims

The aim of the project was to build an optimising compiler from a subset of Haskell to Java Bytecode, to explore compiler and language implementation beyond what was covered in the Tripos.

Work Completed

A larger-than-expected subset of Haskell is supported, with non-strict evaluation and a small number of optimisations. A number of extensions were implemented, including typeclasses.

Special Difficulties

None.

[1] Calculated using `texcount -1 -sum "$file"`
[2] Calculated using `wc -l "$file"`