

ENCE464 Assignment 2

Roadrunner and Wiley Coyote, Group 42

Note, please do not write as a conventional report with introduction, method, results, discussion, conclusion. Instead use the following headings.

1 Architecture overview

Here you should describe your computer's architecture (such as the cache organisation, memory size, CPU model, etc.).

2 Multithreading

Here you should analyse and discuss how your program takes advantage of multiple cores.

3 Cache

Here you should analyse how your program makes optimal use of the cache.

4 Profiling

Here you should analyse which parts of the program take the most time. Cache profiling should be discussed in the Cache section.

5 Compiler optimisation

Here you should provide your analysis of compiler optimisation options.

Instructions

1. The reports can be created in Word or L^AT_EX. Use the appropriate template but delete the instructions.
2. Delete all the instructions in blue.
3. Each section should be approximately the same length.
4. The page limit is five pages. No title pages please. We will deduct 10% for every page over the page limit. Do not squeeze the margin or use small fonts.

5. Ensure your names and group number are in the title block.
6. Submit your reports as a PDF document through Learn. We will deduct 10% for non PDF documents.