

Embedded System Design and Modeling

ECE382N.23, Fall 2024

Homework #3 Simulation Models

Assigned: October 3, 2024

Due: October 16, 2024

Instructions:

- Please submit your assignment via Canvas. Submissions should include a single PDF with the writeup and a single Zip or Tar archive for any supplementary files (e.g., source files, which has to be compilable by simply running 'make' and should include a README with instructions for running each model).
- You may discuss the problems with your classmates but make sure to submit your own independent and individual solutions.
- Some questions might not have a clearly correct or wrong answer. In general, grading is based on your arguments and reasoning for arriving at a solution.

Problem 3.1: Reading Assignment

Read the following paper and submit a written, including brief (executive) summary, 5 strengths, 5 weaknesses, and detailed comments/justification:

B. Boroujerdian, Y. Jing, D. Tripathy, A. Kumar, L. Subramanian, L. Yen, V. Lee, V. Venkatesan, A. Jindal, R. Shearer, V. J. Reddi, "[FARSI: An Early-stage Design Space Exploration Framework to Tame the Domain-specific System-on-chip Complexity](#)," *ACM Transactions on Embedded Computing Systems (TECS)*, vol. 22, no. 2, pp. 31:1-31:35, January 2023.