

OSU ECEN 4303 Digital Integrated Circuits, Fall 2023
HW 3: MOS Capacitors and Solving Non-Linear Equations

Instructor: James E. Stine, Jr.
TAs: tbd

Assigned: Monday, 9/18, 2023
Due **Monday 10/2, 2023** (midnight)
Handin: <http://online.okstate.edu>

Please complete the following assigned problems:

1. Problem 2.2
2. Problem 2.3
3. Problem 2.6
4. Problem 2.7

Note: Many of the problems in the text do not specify the value for the intrinsic concentration of silicon atoms. You should use the footnote at the bottom of page 4 in your textbook and also assume $T = 300$ K. Also, for any of the textbook problems, please use an adequate plotting program to get full credit. Deductions will be made for poor plots (e.g., from Excel).