Homework #3 — due Wednesday, February 7

Numbers refer to the problems in Griffiths

From Wednesday, January 31:

1. **Problem D** Show that the electromagnetic force density Eq. (8.16) can be written as Eq. (8.19) by using the definition of the Maxwell stress tensor, Eq. (8.17).

2. 8.4

From Friday, February 2:

3. 8.6

4. 8.7

From Monday, February 5:

5. 8.8

6. 8.9

7. 8.13