

U Mass Dartmouth  
EAS621, MTH599/499 and PHY495  
October 12, 2016

### ASSIGNMENT 6

(due **Tuesday, Oct. 18** and **Wednesday, Oct. 19**, 2016)

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#### READING

Read and be prepared to discuss the article “Using mathematics to solve some problems in industries,” that is listed in the course Resources.

Read and be prepared to discuss:

<http://www.physics.ohio-state.edu/wilkins/writing/Supp/dazzle.html>

Also be prepared to answer questions about the reading for October 12. (We did not get a chance to do this on October 12.)

#### WRITING

Write a paragraph answering the following question:

“Why don’t all the air molecules in a room fall to the floor?”

Your one paragraph answer is to be addressed to a curious 12 year old. Hand in your paragraph as a PDF by noon **Tuesday, October 18**.

If you want, you may replace this question with another thought-provoking question that a curious 12 year old might ask.