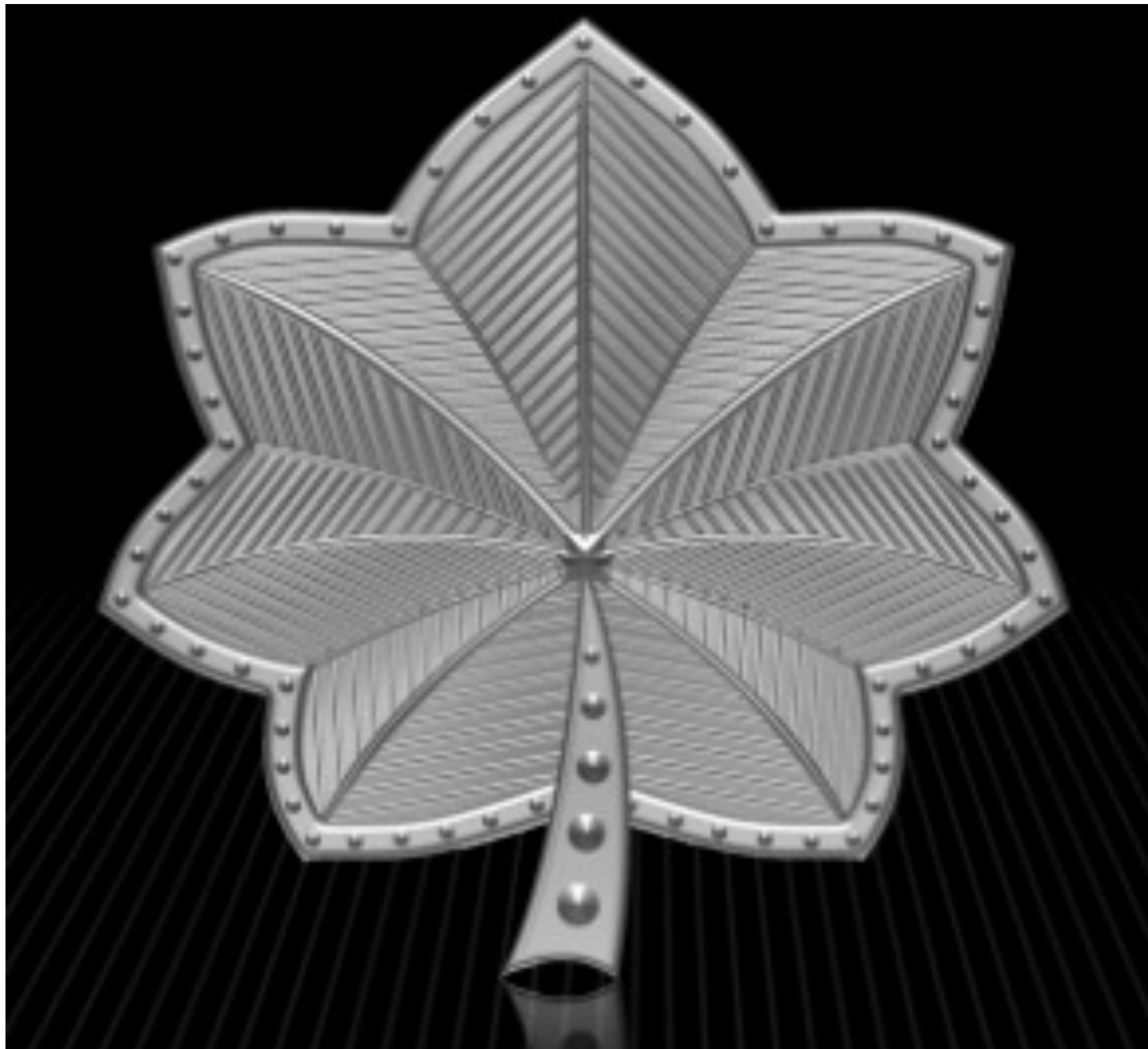


Hello

- I will discuss why I am wearing fatigues in a moment.
- Get a white board.
- Write the of the kind of problem that you would like to see the most during the review.



Lieutenant Colonel Russell

Review Day

- I will take the most requested homework problems from the last week and a half.
- I will pass back the Core and old quizzes.
- You will take good notes and ask questions about things that you are still unsure of.

Core I

- The grade that you receive (out of 20) will count as 3.33% of your final grade.
- Please take a moment to make sure that the grade that appears on the Core is the same as the one on IC.
- I will take general and individual questions in a moment.

Old Quizzes

- Make sure that the grade that appears on the quiz is the one on IC.
- I will take general and specific question in a moment.

A ___ kg _____ is accelerating along a flat surface at ___ m/s². What are the sum of the forces acting on the object?

- μ_s of a ___ kg _____ on a flat surface is _____. What is the minimum force needed to accelerate the object?

It takes a force of 100N to accelerate a 7kg water cooler at 1.1m/s^2 . Find μ_k .



A _____ kg _____ rests on a _____° inclined plane. μ_k is _____. Find the acceleration of the _____.

A ___ lb _____ is being pulled with a force of ___ N at an angle of ___° above the horizontal. If μ_k is _____, what is the acceleration of the object?

A lb is being pushed at an angle of [°] below the horizontal with a force of N.
What is the acceleration of the object?

The force of friction on a turtle sliding down a 30° ramp is 3N. If μ_k is 0.15, what is the mass of the turtle?

An Atwood machine has masses of ___ kg and ___ kg. Find the acceleration of the first mass.

A modified Atwood has a ___kg cart on a track. If the _____ on the side has a mass of ___kg, what is the acceleration of the cart?