

AEM 617 Homework #3

Due: 23rd Feb 2018

1. View the following: <https://www.youtube.com/watch?v=jWi7xYE2JWg>
2. Design a dedicated hydraulic system able to modulate a 3 foot by 9 foot air-brake up to 60 degrees within 1 second at 450 KTAS. The hydraulic system could operate up to 4500 psi. One possible hydraulic pump is described in the Lesson 16 notes on page 12. You are instructed to reduce the system weight as much as possible. Draw a schematic of your system.