Video Outline

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CSCE 525

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22 Oct 18

1. **Introduction**
2. **What are formal methods?**
   1. **Define FM**
   2. **Present different areas of FM**
3. **How are formal methods applied?**
   1. **Model Checking/Theorem Proving**
   2. **Constraint solving**
   3. **Static Analysis**
4. **What is the purpose of formal methods/importance to USAF?**
   1. **Hardware/Software Analysis**
   2. **Design secure systems, i.e DARPA’s HACMS program**
5. **Conclusion**