My Awesome Presentation

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Why collaborate?

- Domain knowledge is typically spread across different collaborators
  ⇒ Leverage group synergies for problem solving
Motivation

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Why real-time?

• Engineers can discuss the feature model with domain experts
  ⇒ Real-time feedback
Why collaborate?

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Why real-time?

• Engineers can discuss the feature model with domain experts
  ⇒ Real-time feedback

• Allows tight collaboration on shared model elements
  (similar to pair programming)
Our contribution:

1. Formal approach to **collaborative real-time feature modeling** with focus on
   - Consistency maintenance
   - Conflict detection (\& resolution)
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1. Formal approach to **collaborative real-time feature modeling** with focus on
   - Consistency maintenance
   - Conflict detection (& resolution)

2. Open-source research prototype
Conclusion

Formal description

Open-source prototype
### Concurrency Control

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- CRDTs: Conflict-free Replicated Data Types
- MVSD: Multi-Value Semistable Data
- MVMD: Multi-Value Merkle Distance