Phoenix Integration AFRL MSTC Collaboration
But first, who am I?
PHX & AFRL

• PHX has been working with Ray Kolonay’s group at AFRL to apply MSTC to ModelCenter
  • PHX have had a number of meetings with Ray
  • Working with MSTC developers
  • Actively investigating ways to integrate MSTC technology into MC

• The investigation & relationship are ongoing—this presentation is just a progress report
Why does PHX like MSTC?
Aware & Efficient
Dynamic & Adaptive
ModelCenter and MSTC
ModelCenter HPC Execution

**Job Manager**
Trade studies and parallel loops in MC are run through Job Manager, which keeps track of multiple instance and resolves out-of-order execution.
Next Steps: Applying MC + MSTC

- In-person meeting with AFRL MSTC team June timeframe
- Planning to try out on EXPEDITE program
  - Clif Davies will present more about this next
- PHX will use intelligence gathered from all these activities to understand and improve integration and distributed computing capabilities
- PHX is looking for feedback from industry partners
Discussion
Phoenix Integration AFRL
MSTC Collaboration

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