Moving-Mesh Method for Ice Crystal Icing Simulation

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~ Here We GO! There We GO! Let’s GO! ~

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NASA.gov
Ice Crystal Icing

Gas
Water
Ice
Gas

Computational Power!

Icing!?
Moving-Mesh Method

Gas

W A L L

Gas
Strategy Map

Ice Melting (Mesh Moving)
- Ice
- Shrink
- Move
- Downstream

Water Motion (Mesh Moving)
- Water
- Shape Change
- Move
- Downstream

My Journey Continues...

- Icing
  - Mesh Moving
  - Phase Change
  - Remeshing
Interactive Class is...

Lecture without asking questions

Ask questions

Answer the questions

Ask questions

Answer the questions
Mindset of Asking Something
Moving-Mesh Method for Ice Crystal Icing Simulation

Thank you! Questions?