#### **Dynamic fiber push-out**



#### **Dynamic fiber push-out**





## **Dynamic fiber push-out**



# Outline

- Boundary measurements:
  - Dynamic shear cracking
- Cohesive properties:
  - Full-field measurements
  - Inverse problem extraction
- Coupled problem: Thermoacoustic fatigue
  - Image decomposition methods





• Full-field information for property measurement:



• Full-field information for property measurement:







#### • Validation:

#### FGM I



Kandula et al., J. of Applied Mechanics, 2006



#### FGM II

# Outline

- Boundary measurements:
  - Dynamic shear cracking

#### Cohesive properties:

- Full-field measurements
- Inverse problem extraction
- Coupled problem: Thermoacoustic fatigue
  - Image decomposition methods

