

3D INFRARED SLDV

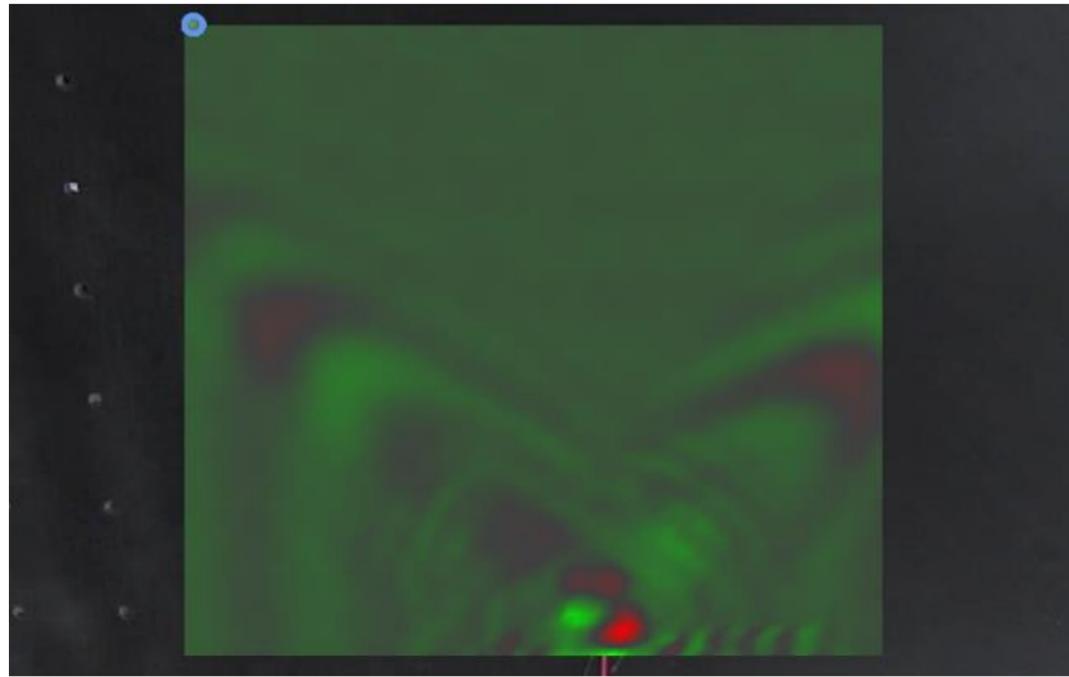
3D IR SLDV

High-end system for measuring structural vibrations

- 3 measurement lasers → XYZ data
- Infrared lasers (1500 μm) → optimal reflectivity → SNR $\uparrow\uparrow\uparrow$
- Scanning system
- Bandwidth: 0-25 MHz
- Small (1 mm^2) to large (100 m^2) structures
- Distance laser for scanning complex geometry
- MIMO measurements
- Stress-strain measurements

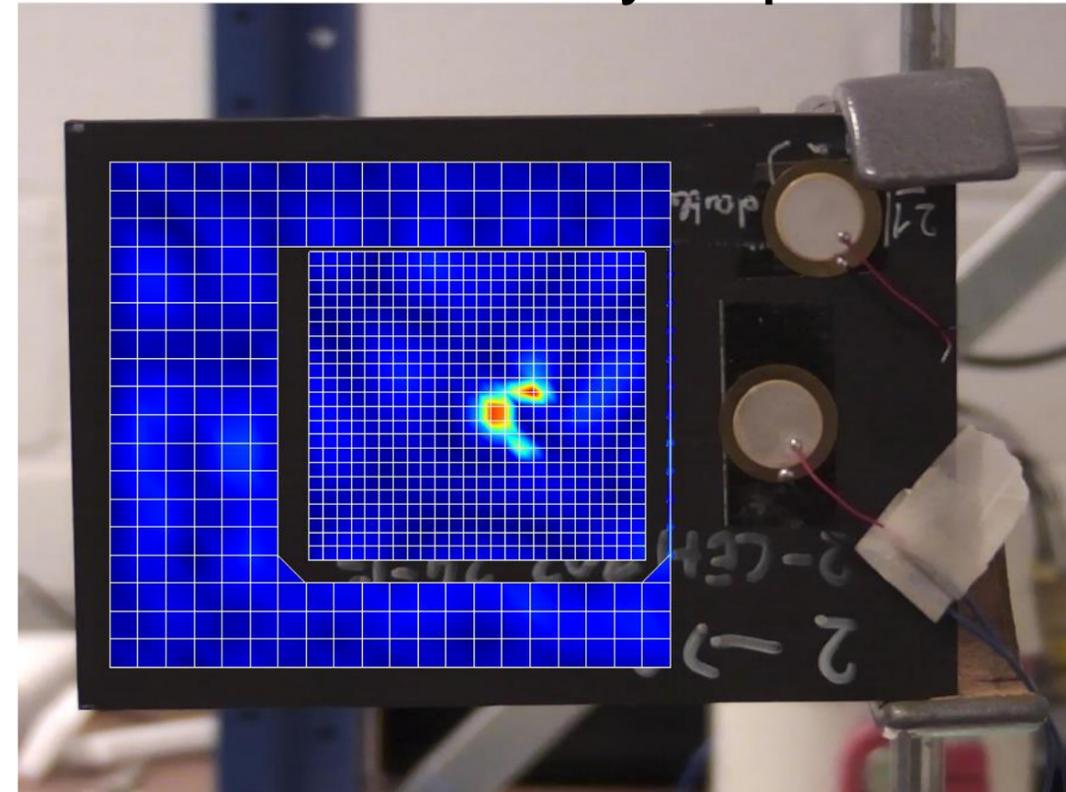


3D IR SLDV

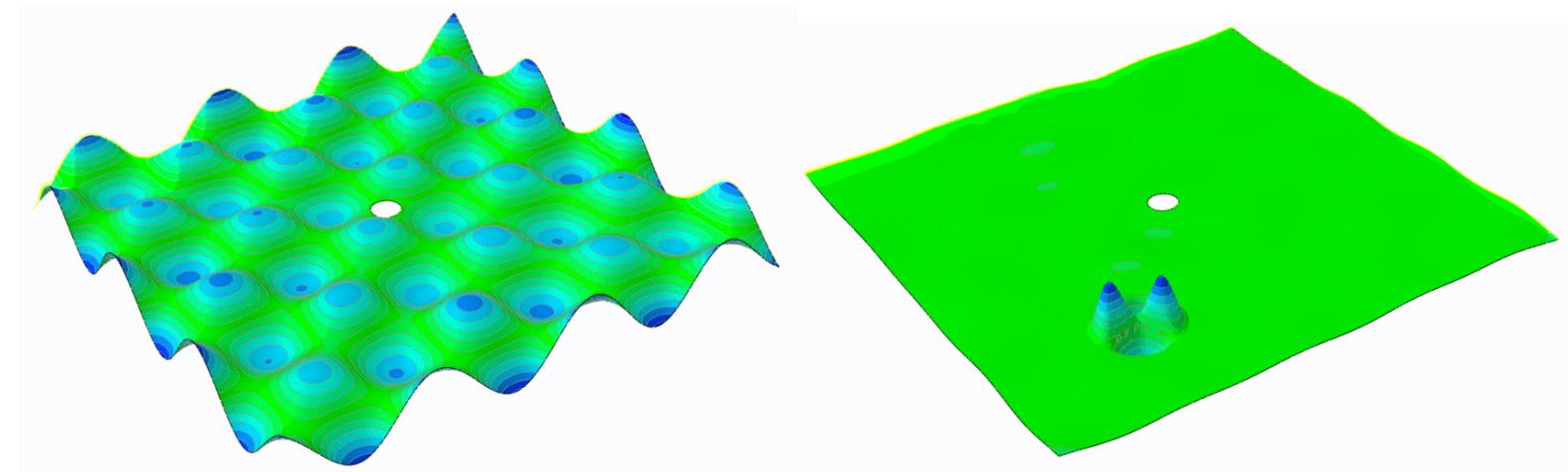


Lamb wave propagation

Low velocity impact



- Delamination
- Dry spots
- Debonding
- Fiber distortion
- Stiffness tensor
- ...



Flat bottom hole