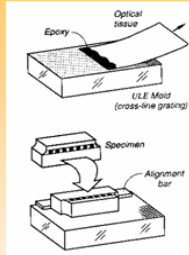
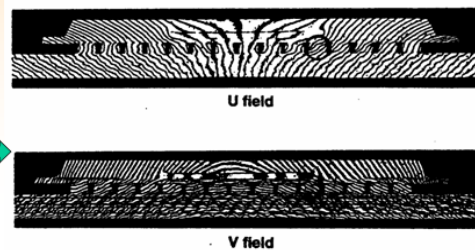
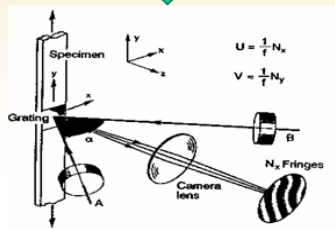


Moiré Interferometry and Fatigue Life Estimation

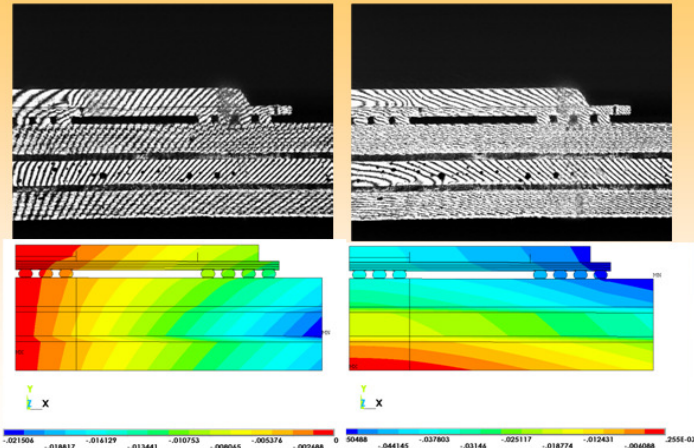
Moiré Interferometry - Methodology



- Direct way of validating the model by measuring in-plane displacements and strains
- Grating with 1200 lines/mm applied onto the sample surface
- A displacement resolution of 417 nm per fringe can be obtained

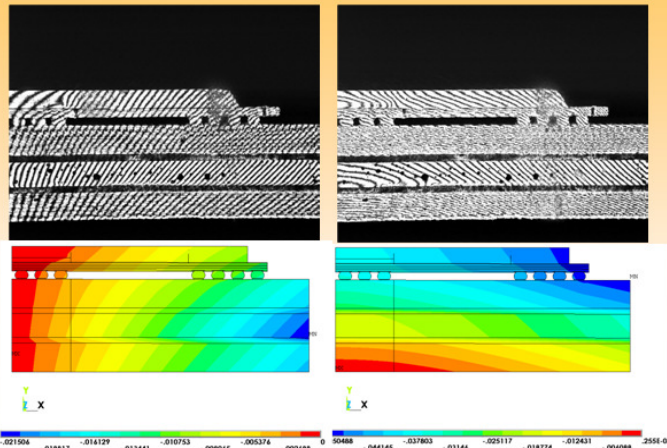


Deformation Validation at -25 °C



U Field V Field
U and V field fringes at -25°C

Deformation Validation at -25 °C



U Field V Field
U and V field fringes at -25°C

Laser Moiré and Fatigue Life for 2209 Pin Organic FCBGA Package

