

# STRUCTURAL REPAIR QUALITY ANALYSIS

## Comprehensive Report

59.4%

Overall Quality - FAIR  
Fair - Partial Improvement

### QUALITY BREAKDOWN:

Frequency Recovery ..... 41.1%  
Measures how well structural frequencies recovered after repair

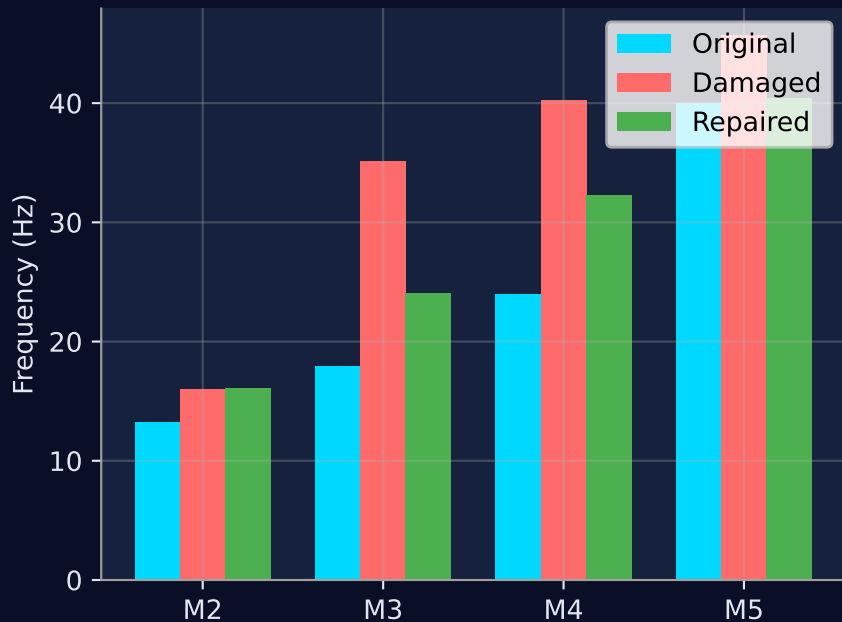
Mode Shape Match ..... 62.7%  
Measures similarity of deformation patterns across states

Damping Recovery ..... 100.0%  
Measures how well energy dissipation characteristics recovered

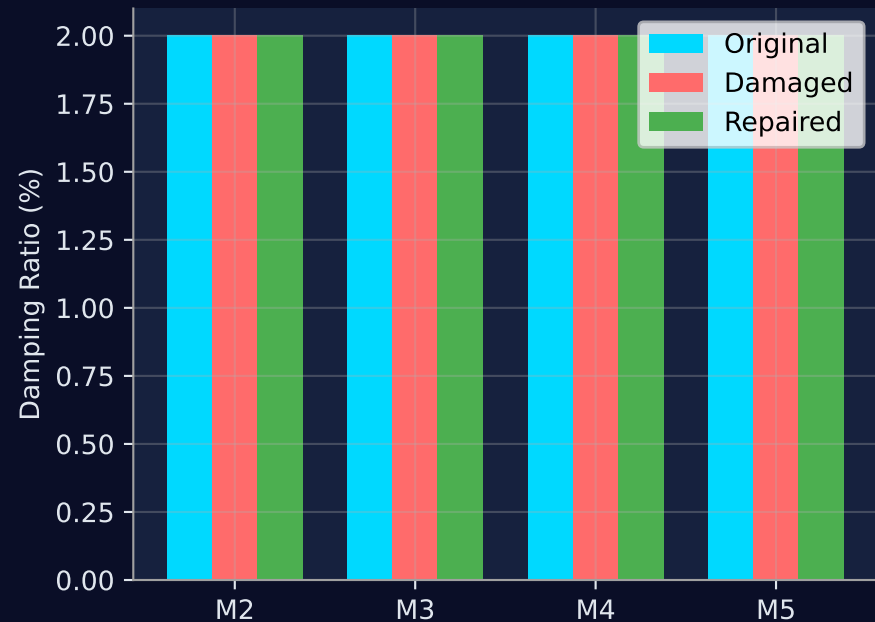
OVERALL ASSESSMENT: Fair - Partial Improvement

# Modal Parameters Analysis

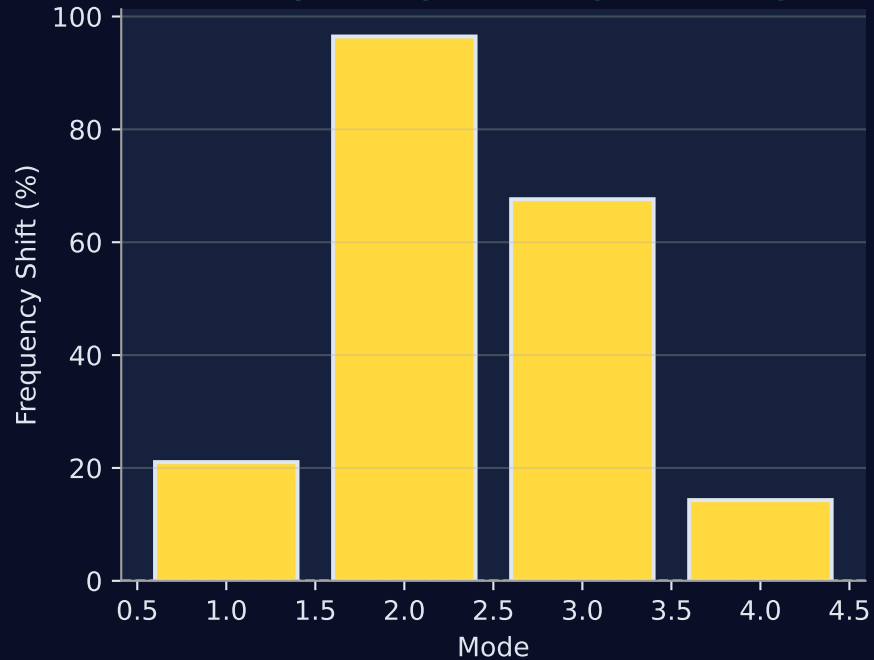
## Natural Frequencies



## Damping Ratios



## Frequency Change: Damaged vs Original



## Frequency Recovery: Repaired vs Original

