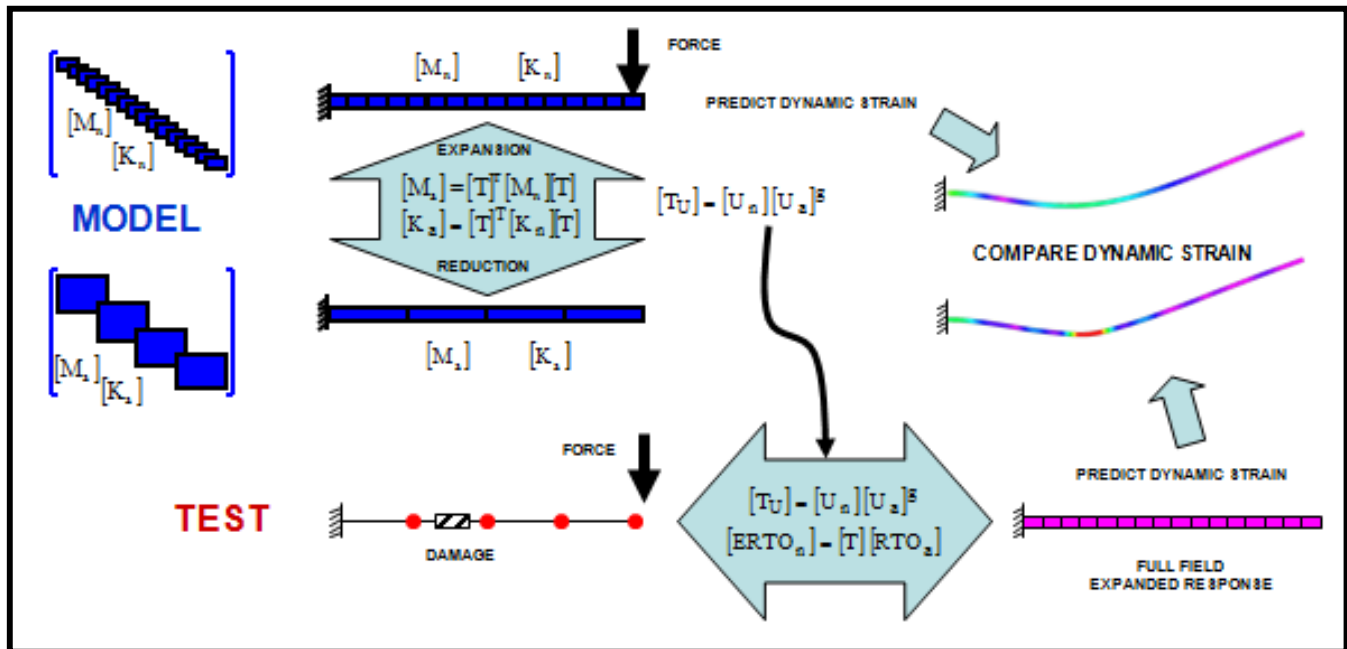


Comparison of Full Field Strain Distributions to Predicted Strain Distributions from Limited Sets of Measured Data for SHM Damage Assessment



Using a limited set of measurements, the full field measured data can be compared to analytical model predictions to identify changes in load distribution which is manifested in strain difference distributions. While more work is continuing on this technique, there is great promise due to the significant wealth of data that can be obtained from full field information. Effort on data mining and manipulating the data for positive indications will be the focus of future work.