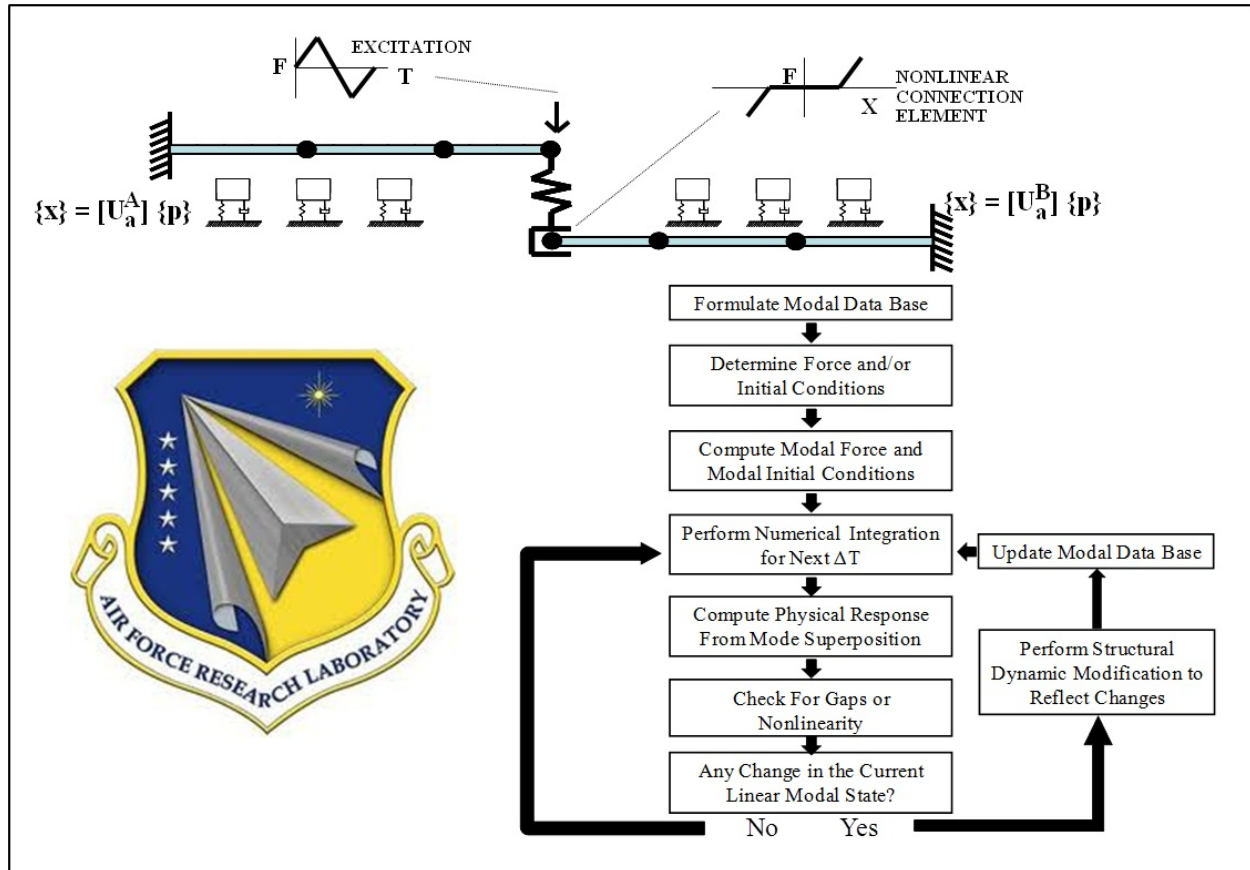




Efficient Computational Nonlinear Dynamic Response using MMRT



Conventional approaches for solving nonlinear dynamic models are computationally intensive. By using component mode approach, these nonlinear models are developed by interconnecting linear components with highly nonlinear connection elements. By utilizing linear mode superposition with Structural Dynamics Modification, a significantly smaller set of matrices are used for dynamic time solutions.