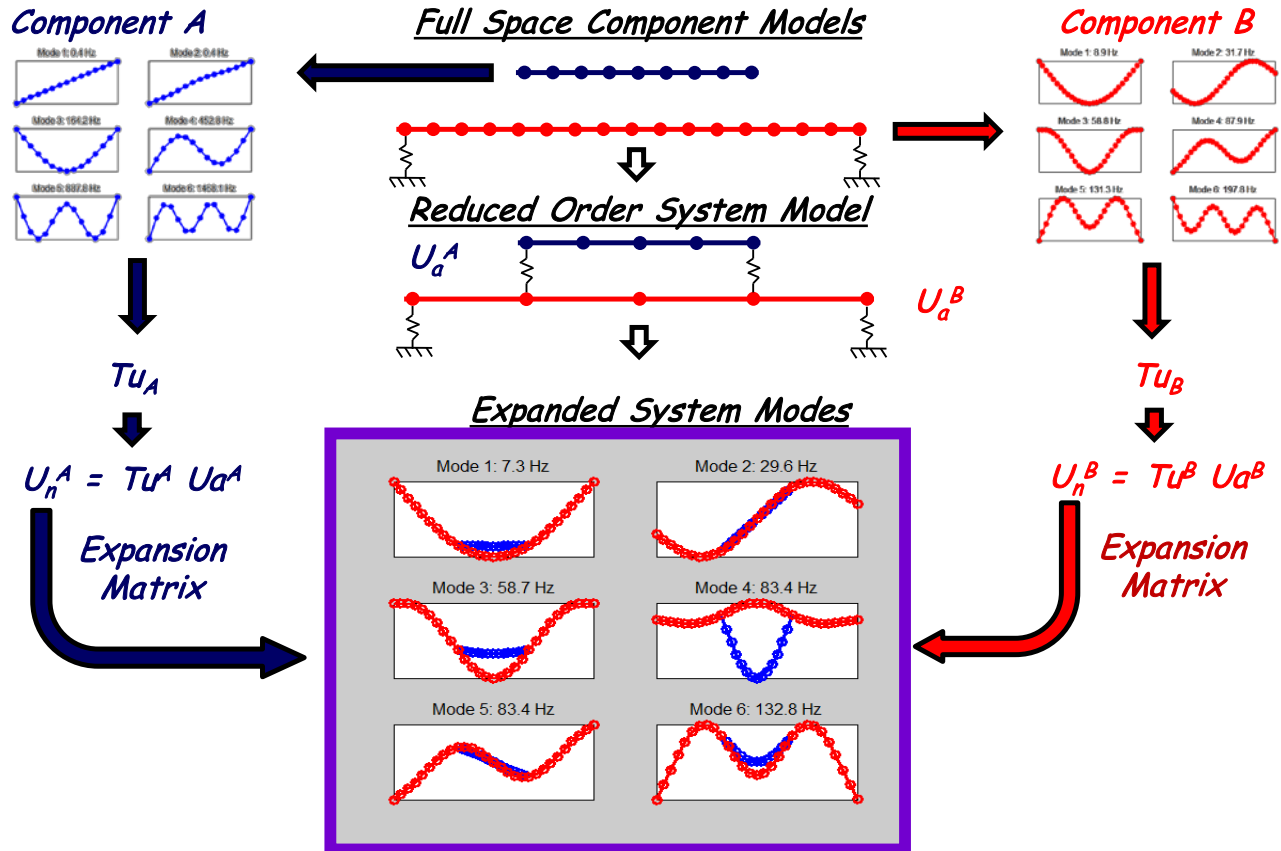


### System Model Expansion Methodology



Expansion of reduced order system models are hampered by lack of assembled system expansion matrices.

However, the uncoupled component modal data can be used to identify the assembled system full field response providing the modes of the components are sufficient to span the space of the final assembled system modes.