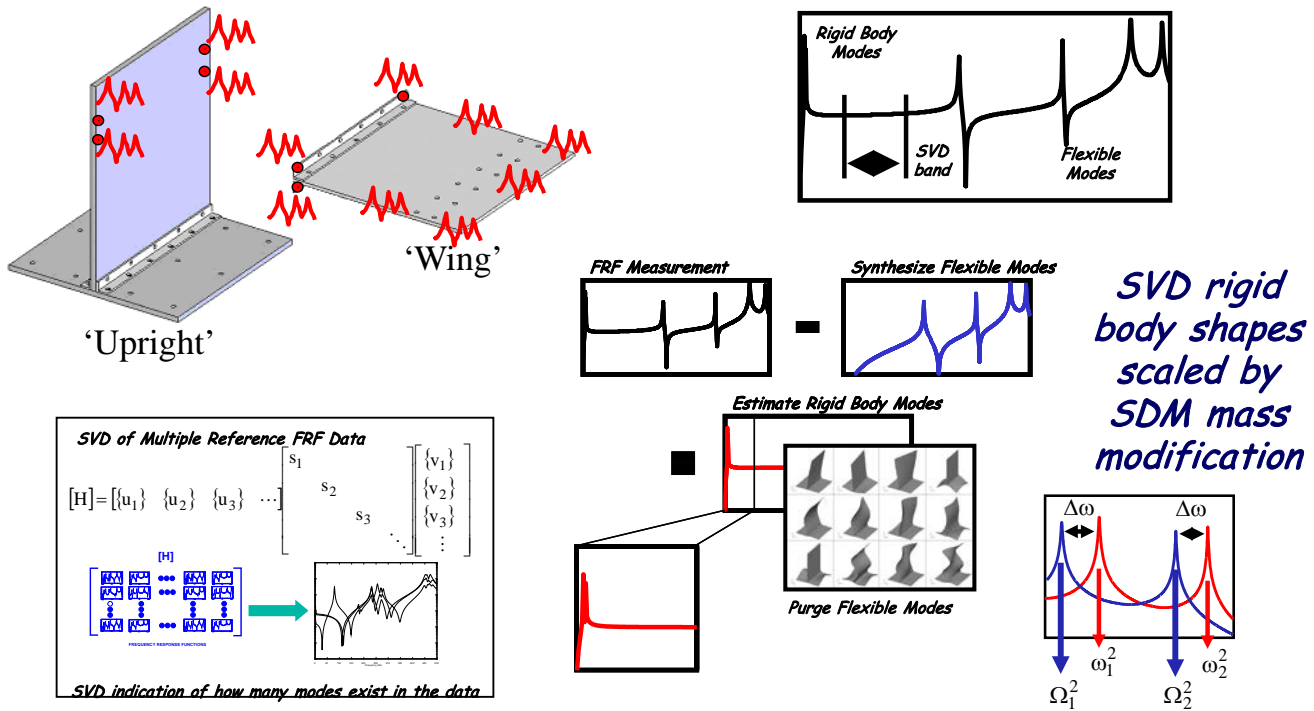


Estimation of Rigid Body Modes



Rigid body modes are very important for the proper description of a component. Many methods exist to acquire these from experimental data but often require the actual mass properties to be determined or identified. Using FRF measurements above the frequency range of the rigid body modes, an SVD can be performed to identify these as modal characteristics. If necessary, the effects of higher frequency modes can be purged from the response measurements as part of the rigid body mode extraction process.