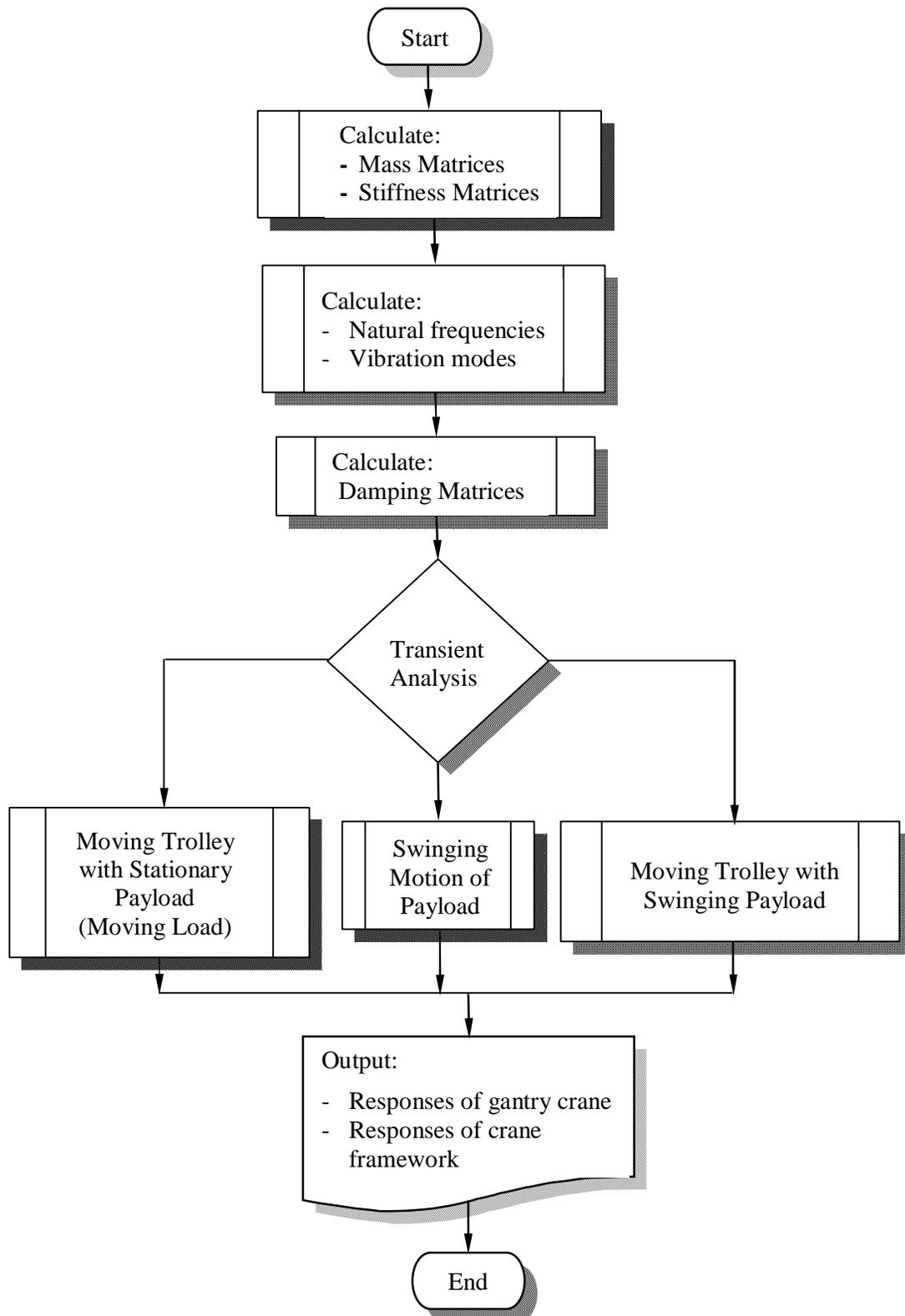
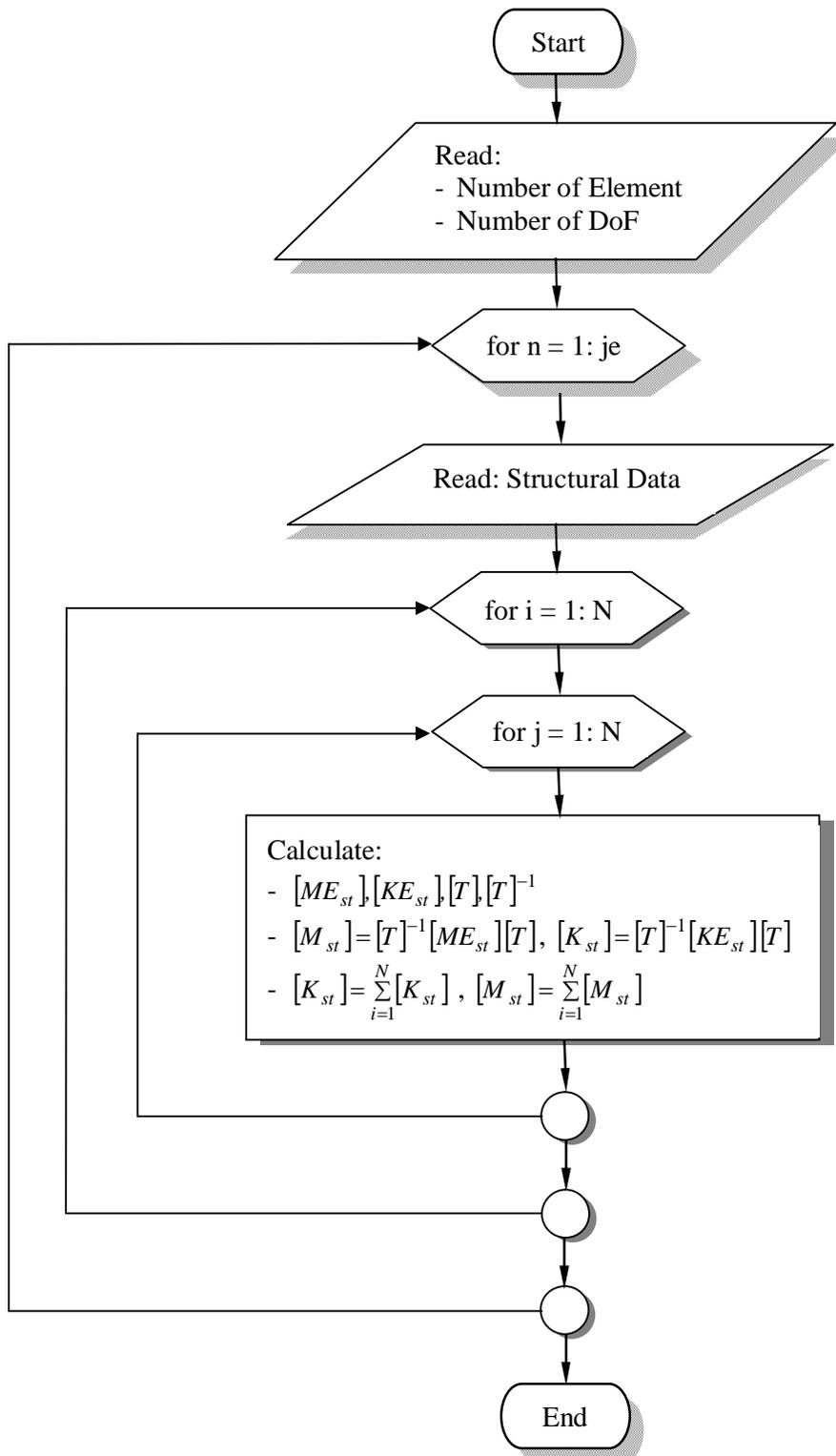


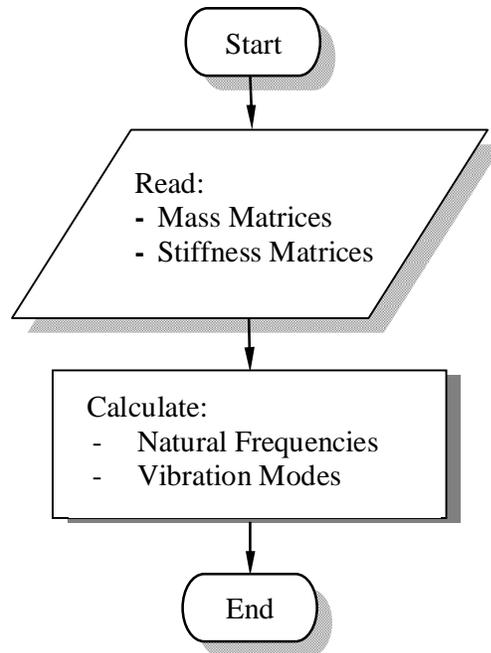
The Dynamic Analysis Algorithm



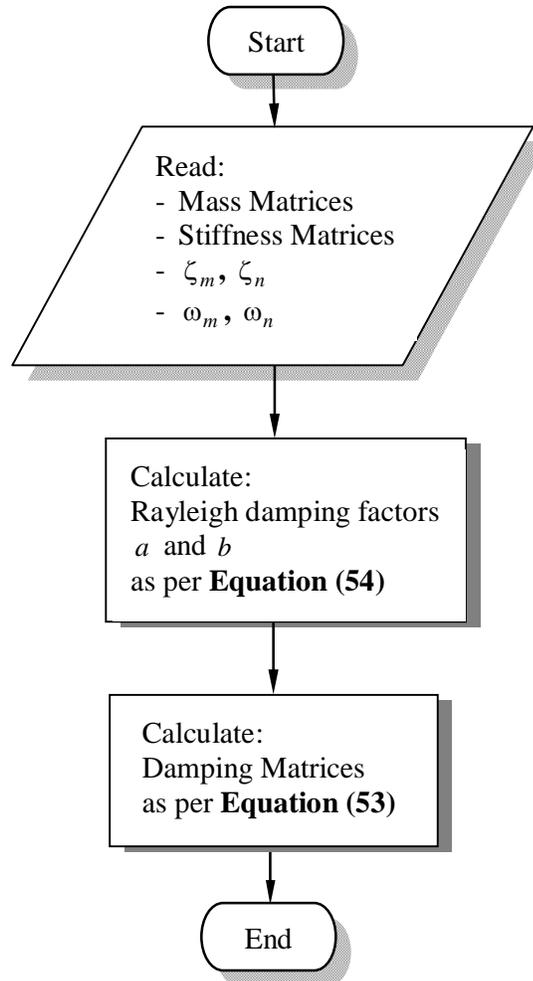
The Calculation of Structural Matrices $[M_{st}]$ and $[K_{st}]$ Algorithm



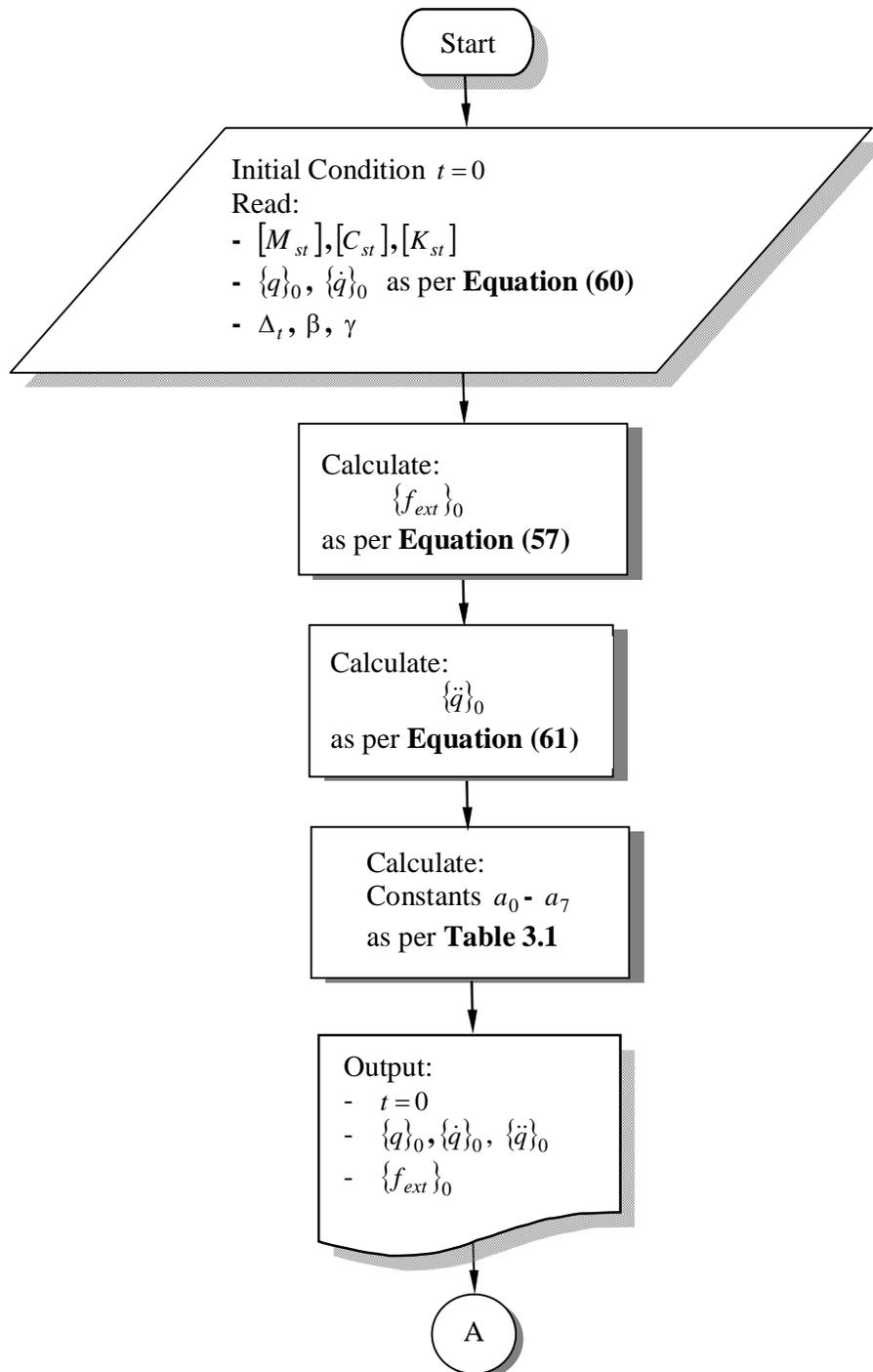
The Calculation of Natural Frequencies and Vibration Modes Algorithm

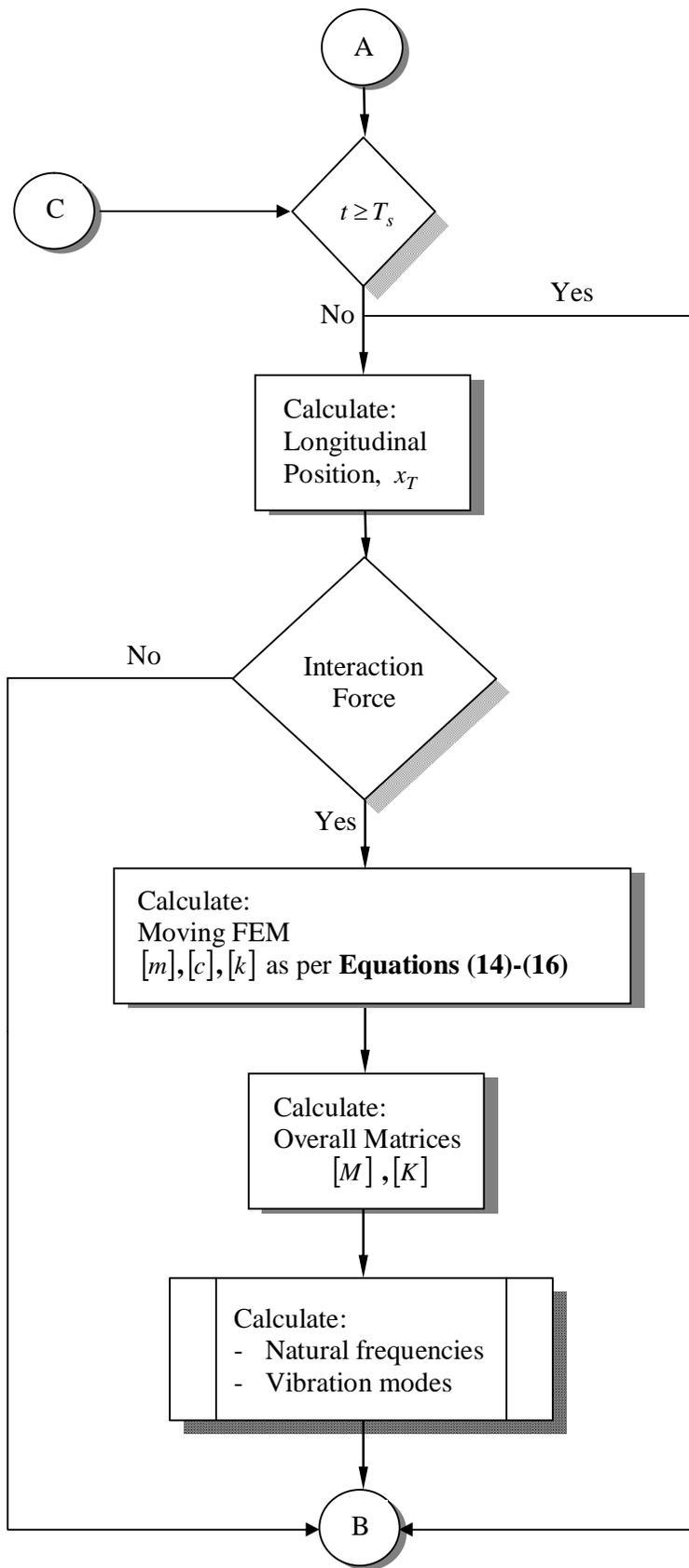


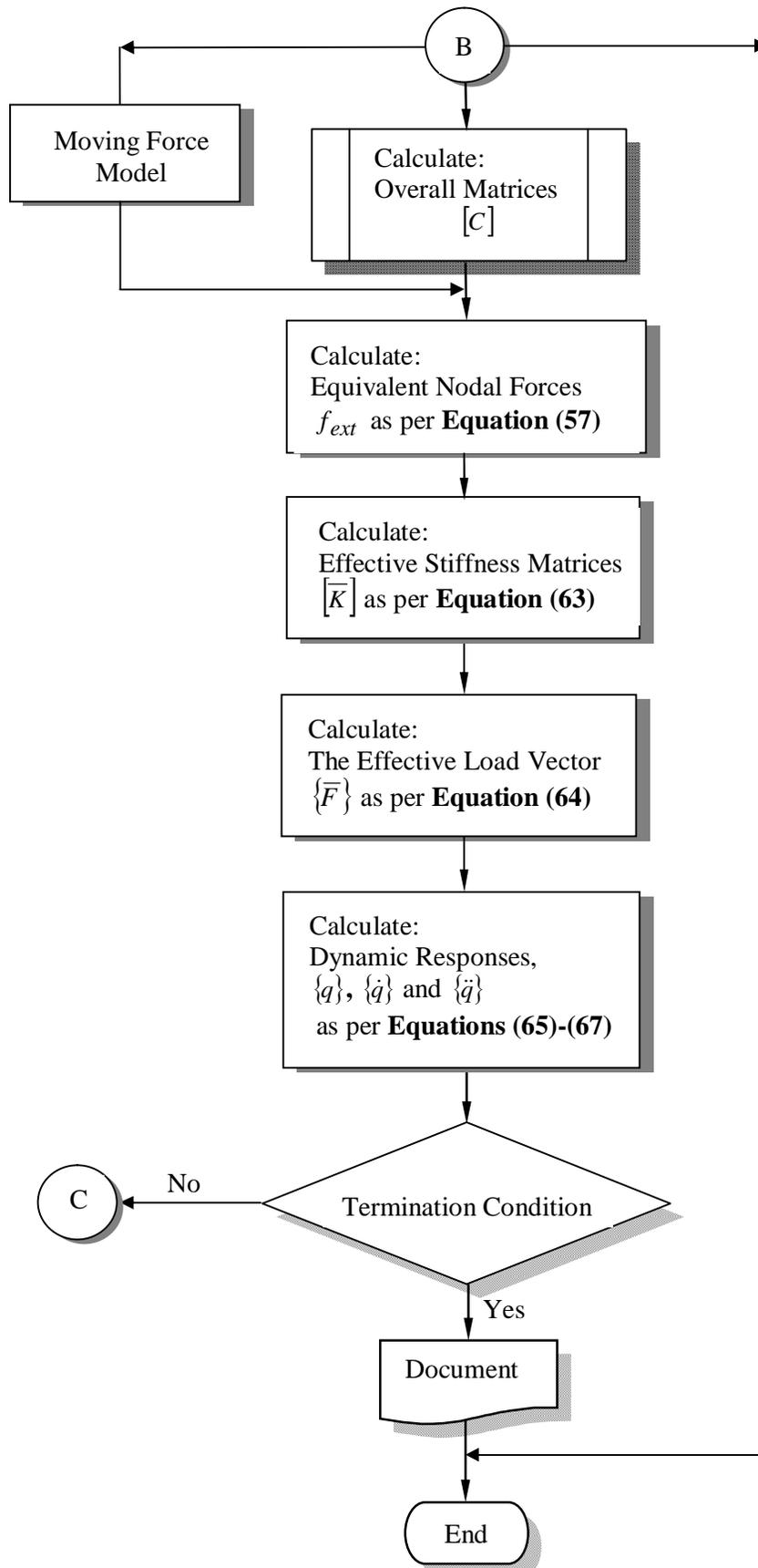
The Calculation of Damping Matrices Algorithm



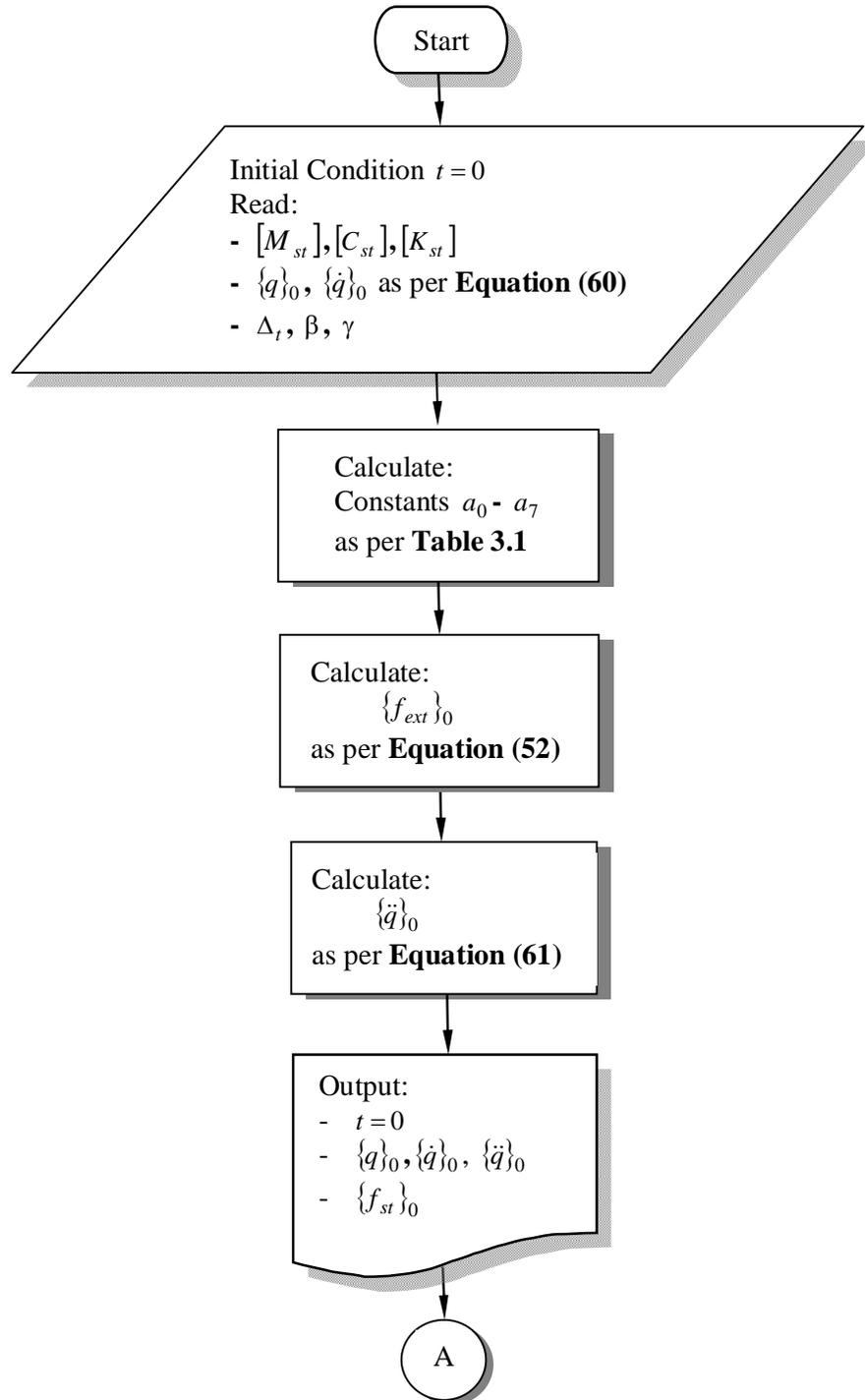
The Transient Analysis for Moving Trolley with Stationary Payload Algorithm

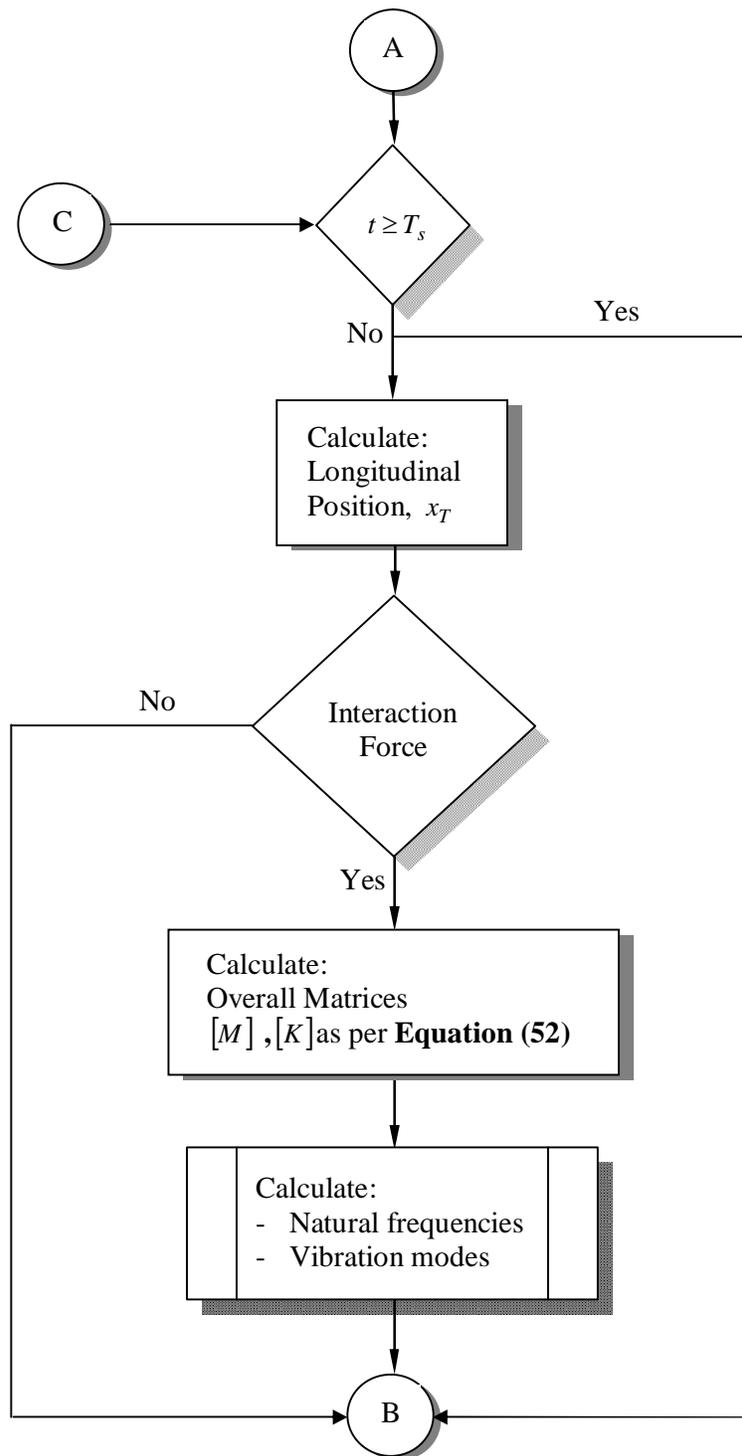


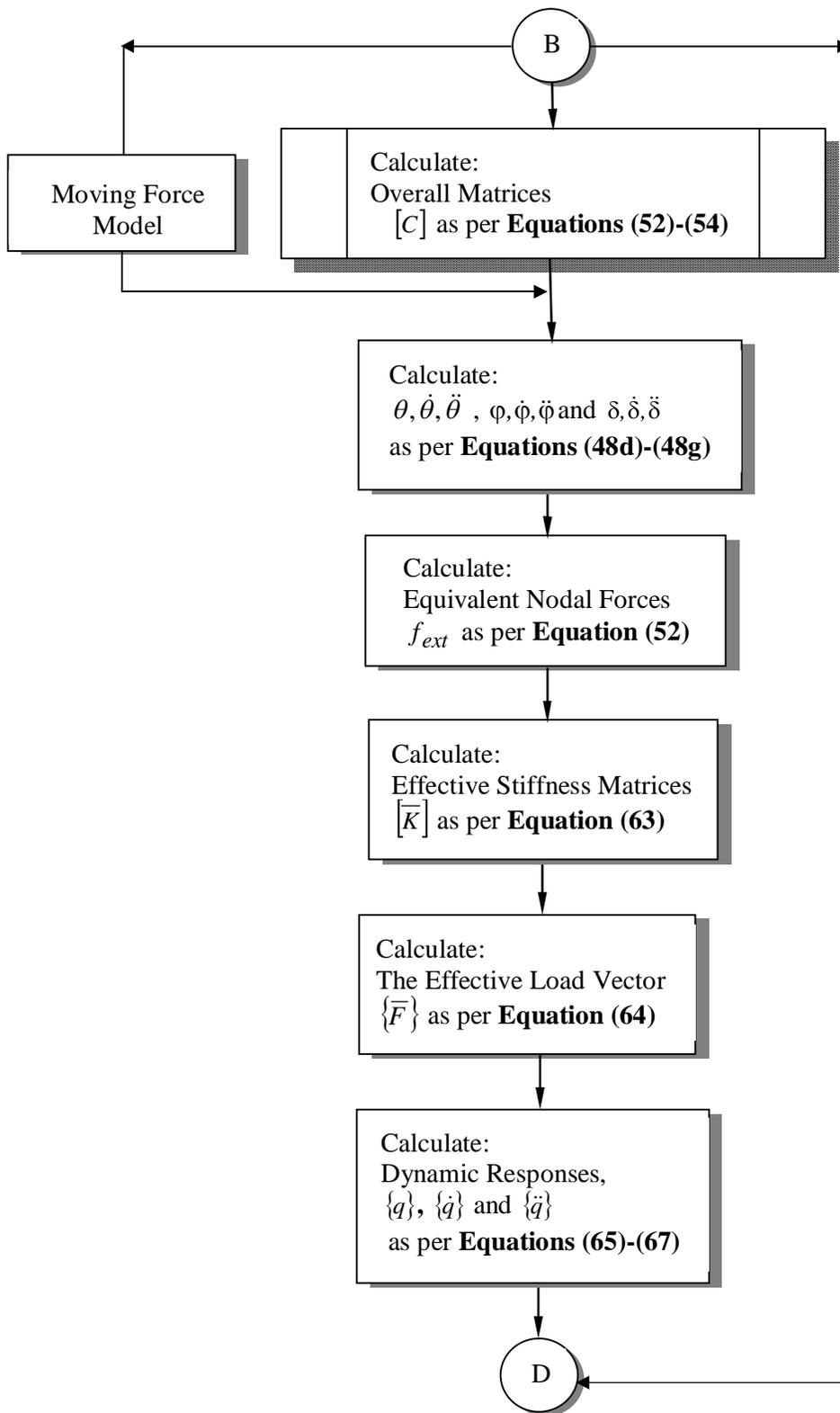


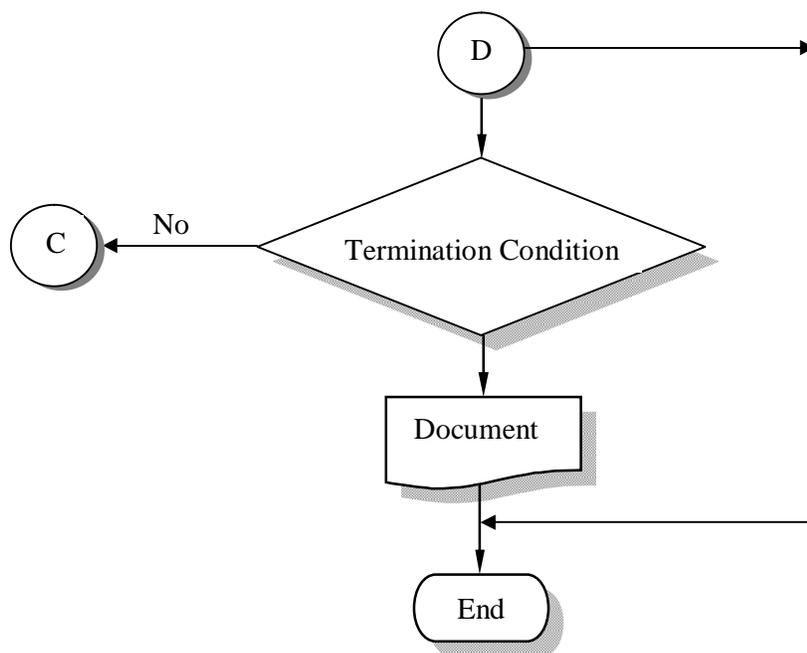


The Transient Analysis for Moving Trolley with Swinging Payload Algorithm









The Transient Analysis for Swinging Payload with Stationary Trolley Algorithm

