

# Induced Acceleration Analysis

The Induced Acceleration Analysis is used to compute accelerations caused or "induced" by individual forces acting on a model, for example, the contribution of individual muscle forces to the mass center acceleration. Typically, induced accelerations of generalized coordinates (e.g., knee angle) or body locations (e.g., model's center of mass) are desired, and the forces consist of muscles, gravity, and any additional forces (e.g., residual actuators, reserve actuators, etc.). The topics covered in this section are:

- [Inputs and Outputs for IAA](#)
- [How IAA Works](#)
- [How to Use IAA](#)

Next: [Inputs and Outputs for IAA](#)