

Physics Notes

Joe Hollander

October 23, 2024

Forces and Newton's Laws

- **Inertia** is a property of matter, and is the resistance to a change in motion (acceleration), or a tendency to maintain a state of motion. Acceleration is any change in speed or direction.
- **Force** is any push or pull on an object (contact or non-contact).
- **Net Force** is the combination of, or the sum of, all simultaneous forces.