

Sports Science Lab

Overview

- Focused on bat (softball/baseball) performance
 - o Testing criteria for the bats
 - o Certification center for amateur baseball/softball leagues
- Research on sports (centered around baseball/softball)
 - o Aerodynamics (lift/drag for baseballs)
 - o Damage of the bat composites
 - o Determining if bats have been artificially damaged
 - o Protective equipment (helmets, facemasks)
 - o Taekwondo and boxing impact forces for punches and kicks
 - o Energy dissipation of materials (trampoline effect)
- Physics
 - o Coefficient of restitution and energy transfer in the bat/ball impact
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