

Abstract Submitted
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Physicist Make Better Athletes: If You Understand Physics You Can Be Better At Sports MIN HYUNG KIM, YEON JAE LEE, SUN MEE LEE, Choice Research — Physics plays a dominant role in the way athletes perform and the way the sport is played. In high school, many students would complain because they do not know why they have to learn all about physics. Some will say that they would not need it in the future for they do not dream to be a physicist someday or they just cannot see the reason why. They say this because they do not know that physics can be used in relation to sports. How and why? If student athletes and their coaches were to better understand how physics is applied to sporting situations, they would be able to improve their performances and their teams' records - not just through repetitious conditioning on the field, but through conditioning of their minds to understand the basic laws and terms of physics. By illustrating how is physics related to sports, athletes can be taught to use their brain muscles to improve their athletes can control and improve their physical performances. This paper will help the people who do not know that physics can really help in understanding sports. It will define how fundamentals of various athletic performances can be significantly improved when the athlete understands the physics involved in his particular sports. This paper presents simple explanations of physics, defines relevant terms, and demonstrates the application of physics in various sports, and illustrate how to garner better results and records in sports.

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