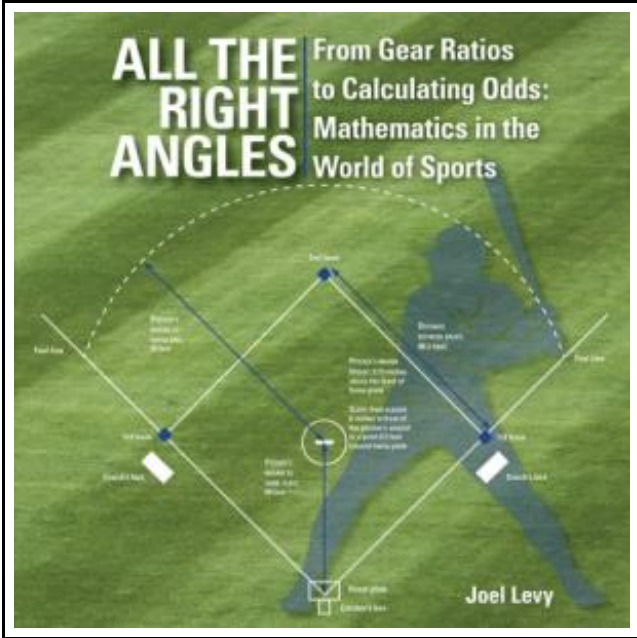


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FIREFLY BOOKS, United States, 2013. Hardback. Book Condition: New. Peter Dawson (illustrator). 230 x 224 mm. Language: English . Brand New Book. A visual reference to the mathematics of sports. Any definition of sport begins with the term physical. Motion, power, energy and momentum are the driving forces of physics, and numbers govern all sports. People and objects move in lines and curves, geometry determines progress, times are recorded, points counted, scores calculated. Without understanding numbers, it is impossible to understand sport. Athletes should be interested in the mathematics of sport for the simple reason that it can help them win. For fans, it brings greater enjoyment from their favorite sport. All the Right Angles is a fun, fascinating and highly visual book that explains the mathematical and scientific principles in sports. With a clear infographics approach, the book never burdens readers with too many numbers and formulas or slows them down with jargon. Instead, dynamic layouts, bold and colorful diagrams and minimal text promote easy comprehension. There are four parts with self-contained spreads that cover 89 topics in all. They include: Power and Motion Basketball and Conservation of Energy; Ball Games and the Magnus Effect; Football and Newtonian Physics of Collision; Squash and Gas Pressure; Cycling and Gyroscopes Angles, Trajectories and Geometry Mathematics of a Golf Shot; Pool and Tangent Lines; Auto Racing and Distance; Baseball and Trajectories; Cycling and Gradients Numbers and Statistics Statistics in Baseball; Mathematics and Fantasy Football; Game Theory and Fencing; The Statistics of Home Advantage Mathematics, Biology and Environment Effects of Tennis Court Surfaces; Horsepower; Skydiving and Terminal Velocity; Fencing, Tennis and Reaction Speeds; Hydration and Performance. Eight Sports by Numbers feature spreads cover baseball, football, rugby, golf, cricket, soccer, tennis and Formula 1. Throughout the book are facts, statistics, trivia and little-known anecdotes...

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