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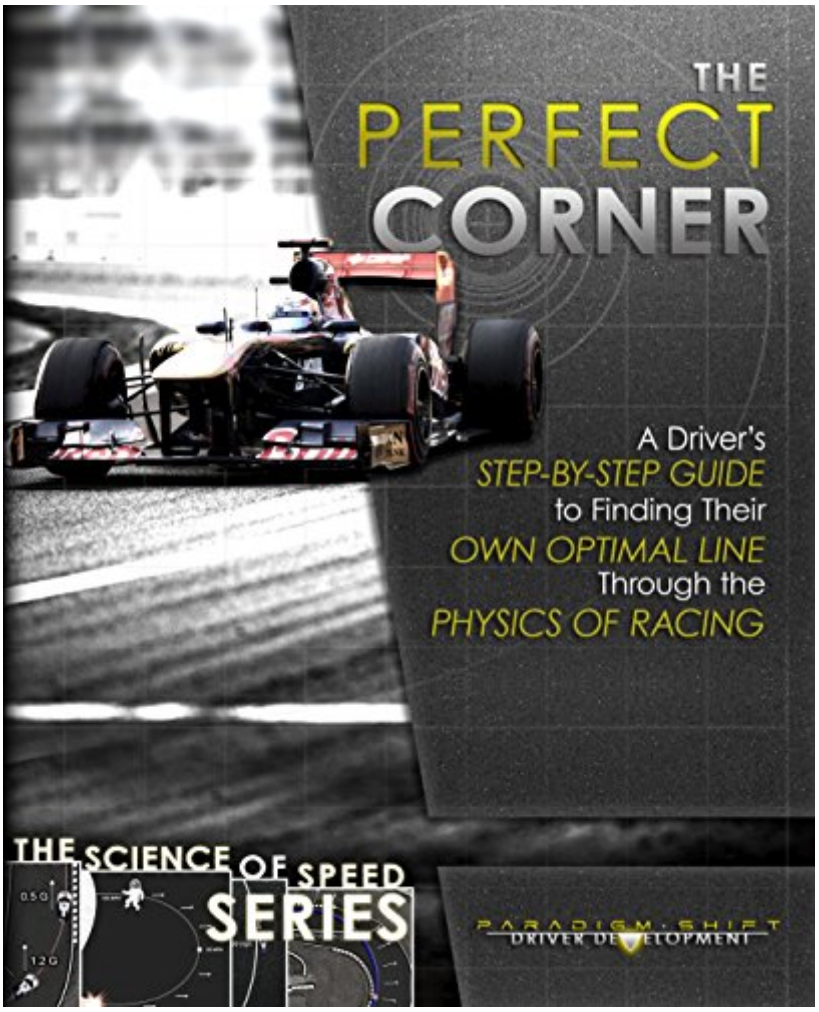
The Perfect Corner: A Driver's Step-by-Step Guide To Finding Their Own Optimal Line Through The Physics Of Racing (The Science Of Speed Series Book 1)



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Synopsis

New for 2016.For a preview of The Perfect Corner as well as our further motorsport education titles please visit us at www.paradigmshiftracing.com Kindle version available to paperback purchasers for $0.99 through ’s Matchbook program.We will take you through an intuitive and fun lesson in the physics of racing and then weâ ™ll apply it as you learn to optimize your driving technique.We will look at real-world racetracks and provide an exact procedure to find the ideal approach all from the driverâ ™s eye point of view. Regardless of your current level of driving experience, you can apply these methods today and remove any doubt about what you should be doing on track for good.â ‹

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Customer Reviews

I bought this book based on the reviews and was not disappointed. The authors do a phenomenal job of distilling complex math and physics down into accessible prose for the common man. The introduction of the Euler Spiral as the optimal path for corner entry under trail braking was completely new to me and the solid presentation made short work of my skepticism. The concepts that are presented will certainly challenge those (like myself) who have been mired in conventional theory. However, the practical insight that you will glean from this concise book will change your

approach to driving completely.While I do dabble in auto-cross, my main passion is sim racing. Unfortunately, due to the limitations of simulated braking, it is very difficult to trail brake in racing simulations. As a result, it is very difficult to apply the theories and techniques that are presented in this book. However, much of the content is still relevant and I have experienced marked improvement in my lap times and in my confidence in my lines.I highly recommend this book.

This book explains the physics behind optimal cornering in a detailed but intuitive way, but the physics isnâ ™t simple, so be prepared to *study* the book and read it multiple times (I have a good physics background and substantial track experience).Based on the premise that minimizing lap time involves balancing both reduction of distance and increasing average speed, simply trying to increase speed at particular points on a track may be counterproductive and actually *increase* lap time. Instead, reduced lap time is achieved by always using the maximum force the tires are capable of generating in order to move the car in the desired direction, which generally means slowing the car during corner entry and accelerating the car down the track during corner exit. This is something you need to both visually see through spatial awareness and also feel kinesthetically - the ’Universal Cue’. The book of course expounds on these points in considerable detail.Overall, this is an outstanding and important book which takes a sophisticated physics-based approach to optimizing driving. But itâ ™s essential that readers also move on to the second and third books in the series, which pick up where this book leaves off and take the readerâ ™s understanding to a more comprehensive level.

With more than 20 years of experience in racetracks all over the virtual world, I would empirically adapt the cornering the best I could for each car, just accepting that some were better, some worse. This book brings the whys and hows into light. Immediately after reading it, I could reduce the learning curve for each new car, knowing better what to expect and what to adjust.It takes you in a journey through space, track and (not heavy IMO) physics. And easy and well organized read, with plenty of examples with illustrations.I have no experience to talk about real racing, but I do recommend it for gamers looking to shave off that extra time from lap times.

The book provides methods to recognize when your line through a corner is not the correct line and how to work towards the correct line.When I took a bad line through a corner before reading the book, I recognized that the line was bad but didn’t know what the correct line was. This book’s instruction helped me interpret "this line is bad" into "alright, I need to do x,y, and z to fix it".

Great read! I loved how the books shows you why you should focus on figuring out your own best driving line. It takes into account multiple variables that goes into this decision. As a relatively new driver, I enjoyed how it shows you the best lines based on your experience. For instance, the best driving line might actually be slower for a new driver like me. Great book and very helpful.

Whether you want to improve your driving on the track or on the road, this is the book for you. It's obvious the author has had a lot of experience racing as he gives clear and helpful explanations of the techniques needed to improve your skills. Amazing illustrations and an enjoyable read. Highly recommended!

The math-oriented driver will get a lot out of this, making it obvious why some commonly-held nuggets of wisdom are right and others are wrong.

Awesome read with Zero fluff! A logical approach to finding the fastest way around a track without the meaningless overly used rhetoric.

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