

# W.D. GANN : DIVINATION BY MATHEMATICS: HARMONIC ANALYSIS PDF, EPUB, EBOOK



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## **W.D. Gann: Divination By Mathematics by Awodele... | Mathematics, Divination, Writing**

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Was this information helpful to you? Yes No. Thank You for submitting your response. Customer Product Selfies. Seller Details View Store. Expand your business to millions of customers Sell this item on Snapdeal. Watson says that he believed E. Harriman possessed some "mathematical method," which enabled him to forecast stocks many months and years in advance, and that his manipulations conformed closely to the law of harmonic analysis. Naturally, I wanted to know more about this mathematical method, and thought that it would be related to Gann's reference to the "law of harmonic analysis". It was here that my investigation into this this matter began. However, when I typed in "Harmonic Analysis", it returned a number of pages.

One was a Wikipedia entry that read as follows: "Harmonic analysis is a branch of mathematics concerned with the representation of functions or signals as the superposition of basic waves, and the study of and generalization of the notions of Fourier series and Fourier transforms. Harriman possessed some "mathematical method". Wanting to find out more about this, I looked up Fourier series and found the following, which is also from Wikipedia. The Fourier series is named in honour of Jean-Baptiste Joseph Fourier, who made important contributions to the study of trigonometric series, after preliminary investigations by Leonhard Euler, Jean le Rond d'Alembert, and Daniel Bernoulli.

Early ideas of decomposing a periodic function into the sum of simple oscillating functions date back to the 3rd century BC, when ancient astronomers proposed an empiric model of planetary motions, based on deferents and epicycles. This, and the description of Fourier series tied a lot of things together for me. When you consider the fact that Gann said himself that he used mathematics to forecast markets, and the fact that we have the passage from the novel where Gann is making a reference to a branch 13 W.

In the article Gann states, "An astronomer can predict to the minute when an eclipse is going to occur Of course not, He simply makes use of mathematics based on known laws of the movements of the planets in their orbits. I use geometry and mathematics just as an astronomer does, based on immutable laws which I have discovered. In fact, there is more evidence in Tunnel Thru the Air where "harmonic analysis" is used in the only other place in that book. On page 77 in Chapter 7 on Future Cycles, the main character, Robert Gordon, writes the following in a letter dated January 28, "The limit of future predictions based on exact mathematical law is only restricted by lack of knowledge of correct data on past history to work from A few years ago even scientific men, not alone the public, would have laughed at such a thing and refused to believe it. But mathematical science, which is the only real science that the entire civilized world has agreed upon, furnishes unmistakable proof of history repeating itself and shows that the cycle theory, or harmonic analysis, is the only thing that we can rely upon to ascertain the future.

This is important to grasp because on page 75 in the beginning of the chapter, Robert Gordon says, "In making my predictions I use geometry and mathematics, just as the astronomer does, based on immutable laws My calculations are based on the cycle theory and on mathematical sequences. The first part of that passage is a carbon copy of what we found in the article. If we can come to the understanding that Gann is equating "the cycle theory" with "harmonic analysis" on page 77 of his novel, then couldn't the passage on page 75 also read, "My calculations are based on harmonic analysis and on mathematical sequences. Once again, Gann was trying to tell us something. The more I listened to what Gann was saying throughout the pages of The Tunnel Thru the Air, and the Ticker and Investment Digest article, I could hear him saying that Robert Gordon's calculations are based on harmonic analysis, which is also called the cycle theory.

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To begin, considering the numerous documents, papers, and books I had collected on the subject, we will look at the one book that I thought was the best way for me to understand harmonic analysis in the next chapter. Especially for the person who does not have a background in mathematics. However, there was one book that I thought would be the best way for me to learn after reading through its contents. In the book, Moore performs harmonic analysis on rainfall data in the Ohio Valley to ascertain the dominant cycles.

He then shows how the dominant cycles of rainfall in the Ohio Valley are also present in the grain producing states of the Mississippi Valley. He proposes that the fluctuations in the amount of rainfall is controlled by well-defined cycles, and that this influences the variations in the yield per acre of crops. This affects the supply of commodities, which in turn affects its value in the market. Thus, if you can forecast the amount of rainfall in future periods of the grain producing states, you could predict their future prices. I don't know if I have adequately summarized all of the contents of his book, but it is in the public domain and can be obtained from Google books for free if you would like to check it out. Since my goal at the time was to learn how to perform harmonic analysis, I focused on chapter 2, where the author provides a detailed explanation of harmonic analysis that is somewhat understandable, and describes the process of performing it on rainfall data in the Ohio Valley.

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Return to Book Page. Preview — W. In reading and studying Gann's novel, The Tunnel Thru the Air or Looking Back From , a certain set of passages had always grabbed the author's attention and he wondered what Mr. Gann may have been referring to. This book is a result of his investigations concerning these passages, which concerns itself with what Gann calls in his novel, the Law of Harmonic Analysis. In the author's previous work, W. Gann: Divination By Mathematics, published in June of , he pointed out that Astrology was not the main factor that Gann utilized to forecast future events.

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It is the hope and desire of the author that this work will inspire others to continue research into Gann's work along these lines. Even Gann said that Astrology failed, that something else had to be added into the equation. Get A Copy. Paperback , 74 pages. More Details Friend Reviews. To see what your friends thought of this book, please sign up. To ask other readers questions about W. Gann , please sign up. Lists with This Book. This book is not yet featured on Listopia. Add this book to your favorite list ». Community Reviews. Showing Average rating 4. Rating details. All Languages.

## **Awodele - W.D. Gann, Divination by Mathematics II; Harmonic -**

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Add this book to your favorite list ». Community Reviews. Showing Average rating 4. Rating details. All Languages. More filters. Sort order. Start your review of W. Thoughts rated it it was amazing Sep 22, Many believe that Gann encoded his trading secrets in this novel. In the Foreword Gann writes, "The "Tunnel Thru the Air" is mysterious and contains a valuable secret, clothed in veiled language.

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Analysis. Gann: Divination By Mathematics, published in June of , I wanted to stress to a wider audience that Astrology was not the main factor that Gann utilized to forecast future events. Even Gann said that in the Milwaukee Sentinel article which is analyzed in that book.

In the article, Gann uses the science of letters and numbers to make predictions regarding the German Kaiser, Wilhelm Hohenzollern. In the analysis of that article, I showed how Gann may have used cycles and geometry to forecast the specific dates and periods mentioned. In this second book, I am continuing with the same theme with respect to the mathematical aspect of Gann's work, but based on certain passages within Gann's novel, *The Tunnel Thru the Air*. It is my belief that Gann was indeed trying to tell us something valuable in these passages, and this book outlines my research into what I believe Gann was talking about, and the application of what I found. As I stated in my previous work, it is my hope that this will throw some light on the numerous theories written about Gann techniques and methods, and induce further research into the concepts presented herein.

Henry Watson who he is introduced to by his friend Walter Kennelworth. Watson recounts many stories about individuals who made a success on Wall Street, but only to lose the majority of their profits in the end. Robert then asks Mr. Watson if anyone had ever made a large fortune out of Wall Street and kept it. Watson replied as follows: "Oh, yes I could tell you of dozens of them, but one striking example is that of the late E. Harriman who died worth about three hundred million dollars. He had probably made out of the market a hundred million dollars in the last three or four years of his life. Robert asked, How did he do it?"

Watson answered, He stuck to one class of stocks - railroads. He studied them day and night, never diverted his attention to other lines. I believe that he possessed some mathematical method which enabled him to forecast stocks many months and years in advance. I have gone over his manipulations and the stocks he traded in, and found that they conform closely to the law of harmonic analysis. He certainly knew something about time and season because he bought at the right time and sold at the right time. If you are familiar with the Ticker and Investment Digest article from December , then you may already know where I am going with this. In this article, Gann writes as follows with respect to the Law of Vibration: "In order to test the efficiency of my idea I have not only put in years of labour in the regular way, but I spent nine months working night and day in the Astor Library in New York and in the British Museum of London, going over the records of stock transactions as far back as Harriman, Mr.

Harriman's was the most masterly. The figures show that, whether unconsciously or not, Mr. Harriman worked strictly in accordance with natural law. Harriman, so much in fact that he would add reference to him in his novel eighteen years after first mentioning him in the December Ticker and Investment Digest article. Not only that, but here we find that Gann is saying that Mr. Why is this important? In the very same article, Gann says as follows: "I soon began to note the periodical recurrence of the rise and fall in stocks and commodities. This led me to conclude that natural law was the basis of market movements.

Harriman worked in strict accordance with this law. Furthermore, we have additional information from page of Gann's novel as to what this may be. It is on page where Mr. Watson says that he believed E. Harriman possessed some "mathematical method," which enabled him to forecast stocks many months and years in advance, and that his manipulations conformed closely to the law of harmonic analysis. Naturally, I wanted to know more about this mathematical method, and thought that it would be related to Gann's reference to the "law of harmonic analysis". It was here that my investigation into this this matter began. However, when I typed in "Harmonic Analysis", it returned a number of pages. One was a Wikipedia entry that read as follows: "Harmonic analysis is a branch of mathematics concerned with the representation of functions or signals as the superposition of basic waves, and the study of and generalization of the notions of Fourier series and Fourier transforms.

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the values of the first term, which is  $A_0$ , and of the coefficients of the sines and cosines, which are  $a_1, a_2, b_1, b_2$ , etc. Moore goes on to show you how to determine the algebraic values of the coefficients in the Fourier series, which involves some integral calculus. I will not reproduce the method of deriving those formulas here, but I will give you the main formulas later on.

Moore then moves on to the problem of performing harmonic analysis on rainfall data recorded in the Ohio Valley. In the appendix at the end of the chapter, he provides you with a table of the data for annual rainfall in the Ohio Valley recorded in inches for 72 years starting in In another table, he provides you with the calculated values of the coefficients in the Fourier series. Unfortunately, he doesn't walk you through putting the data in the formulas to calculate the results.

No matter what I tried, I just could not duplicate the numbers in his table. I can't tell you how many books, articles, etc. In the back of my mind, I knew I was having trouble setting up the problem and that's why my calculations did not match. After some considerable time and frustration, I had an idea to reach out to mathematics professors at the University where I graduated. I went to the website for the University and looked up the contact information for professors specializing in Harmonic Analysis. There were three that I noted. I sent e-mails to all three indicating that I was an alumni, and although I did not graduate from the department of mathematics, that I loved studying cycles and needed some help calculating the numbers in Moore's book. I provided them with all the data in an excel spreadsheet along with an explanation of what I was trying to do. He said that he was busy at the moment, but to give him time and he would send a more detailed explanation soon.

About a week later he responded, and said that to reproduce the computations in the book, he used a Riemann sum to approximate the integral. It helped me tremendously. In addition, I had later figured out that Moore was doing something else to some of the coefficients after they were calculated, which caused a difference between some of the values he had and the values I calculated. Needless to say, I can't thank that professor enough for taking the time to explain what he did when he didn't have to. I will walk you through this process in the next chapter, but first, I would like to provide you with the most simple explanation of Harmonic Analysis that I came across during my research that helped me to understand what the math was actually doing. We can say that Harmonic Analysis will allow you to extract the individual ingredients that were blended together to make the smoothie.

In other words, it will enable you to identify what those ingredients are. The dominant cycles can be identified in the calculated values of the coefficients of the Fourier Series, which can also be graphed to display the most dominant values. Not only that, but this formula also allows us to project that curve into the future many months and years. Doesn't that sound familiar to the mathematical method of E. Harriman that allowed him to forecast stocks many months and years in advance? Moore provided that in a table, which I have reproduced below. The first thing to be done is to calculate the first term, which is  $A_0$ , and the coefficients of the Fourier series, which are  $a_1$  and  $b_1$ . Below is the process by which the constant term in the Fourier series,  $A_0$  is derived. 
$$A_0 = \frac{1}{M} \int_0^M f(t) dt$$
 The first integral, for example, becomes 
$$A_0 = \frac{1}{M} \int_0^M f(t) dt$$
 In the previous example I analyzed data that started in June and contained all of the months worth of data through July We forecasted past this point, but will not be able to see how the forecast turns out until months after this book has already gone to print.

So in this example, I want to start in June again, but this time end the data being analyzed in May I want to pretend that this is all the information we have, and that we will perform our harmonic analysis on this range of data as if we have no knowledge of what future prices might be. Then we can project past May and compare the forecast to what actually occurred. On the next page you will see the graph of the coefficients of the Fourier series for the data being analyzed. Note, months is not on the graph, as I only graphed out to , but I had the calculated values of the coefficients out to months and saw that there was a large spike at and used it to see how it worked with the other cycles.

On page 52 you will see a graph of the combined cycles along with the forecast, which goes out 79 months. This is a little over 6 and half years into the future, with the forecast ending in December Everything past the black vertical line which is on May is the forecasted period. On page 53, you will see this forecast plotted against the monthly mean stock price values recorded during the forecasted period. I will let the graph speak for itself. This concludes the examples that I wanted to share with readers to show how Harmonic Analysis can be applied to current day stocks. As I have stated before, I don't know everything.

I am new to the subject and sure that I have a lot more to learn. The things that I have presented are examples of what I have been personally doing with this math. I am always thinking outside of the box, and I can think of a number of other ways and areas to apply this math, but further discussion on this is not the subject of this book.

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