



## Mathematical Topics in Population Genetics

By -

Springer. Paperback. Condition: New. 416 pages. Dimensions: 9.1in. x 6.1in. x 1.0in. A basic method of analyzing particulate gene systems is the probabilistic and statistical analyses. Mendel himself could not escape from an application of elementary probability analysis although he might have been unaware of this fact. Even Galtonian geneticists in the late 1800s and the early 1900s pursued problems of heredity by means of mathematics and mathematical statistics. They failed to find the principles of heredity, but succeeded to establish an interdisciplinary area between mathematics and biology, which we call now Biometrics, Biometry, or Applied Statistics. A monumental work in the field of population genetics was published by the late R. A. Fisher, who analyzed the correlation among relatives based on Mendelian gene theory (1918). This theoretical analysis overcame so-called blending inheritance theory, and the orientation of Galtonian explanations for correlations among relatives for quantitative traits rapidly changed. We must not forget the experimental works of Johanson (1909) and Nilsson-Ehle (1909) which supported Mendelian gene theory. However, a large scale experiment for a test of segregation and linkage of Mendelian genes affecting quantitative traits was, probably for the first time, conducted by K. Mather and his...



**READ ONLINE**  
[ 3.45 MB ]

### Reviews

*Totally among the best publication I actually have actually go through. It can be filled with wisdom and knowledge. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Glen Ernser**

*This is an awesome publication I have at any time read. Of course, it is play, still an interesting and amazing literature. You will like just how the author write this book.*

-- **Prof. Herta Mann**