

Download Mathematical Population Genetics I Theoretical Introduction 2nd Edition

Mathematical Population Genetics 1: Theoretical Introduction (Interdisciplinary Applied Mathematics)

Softcover reprint of the original 2nd ed. 2004 Edition Population genetics is a subfield of genetics that deals with genetic differences within and between populations, and is a part of evolutionary biology. Studies in this branch of biology examine such phenomena as adaptation, speciation, and population structure.. Population genetics was a vital ingredient in the emergence of the modern evolutionary synthesis. Genetics is a branch of biology concerned with the study of genes, genetic variation, and heredity in organisms.. Gregor Mendel, a scientist and Augustinian friar, discovered genetics in the late 19th-century. Mendel studied "trait inheritance", patterns in the way traits are handed down from parents to offspring. He observed that organisms (pea plants) inherit traits by way of discrete "units ... I'd say this is a great text for the biologist learning mathematical population biology for the first time. It is also a great text for an early math major (freshman, sophomore, or junior undergrad) to get started with mathematical ecology.