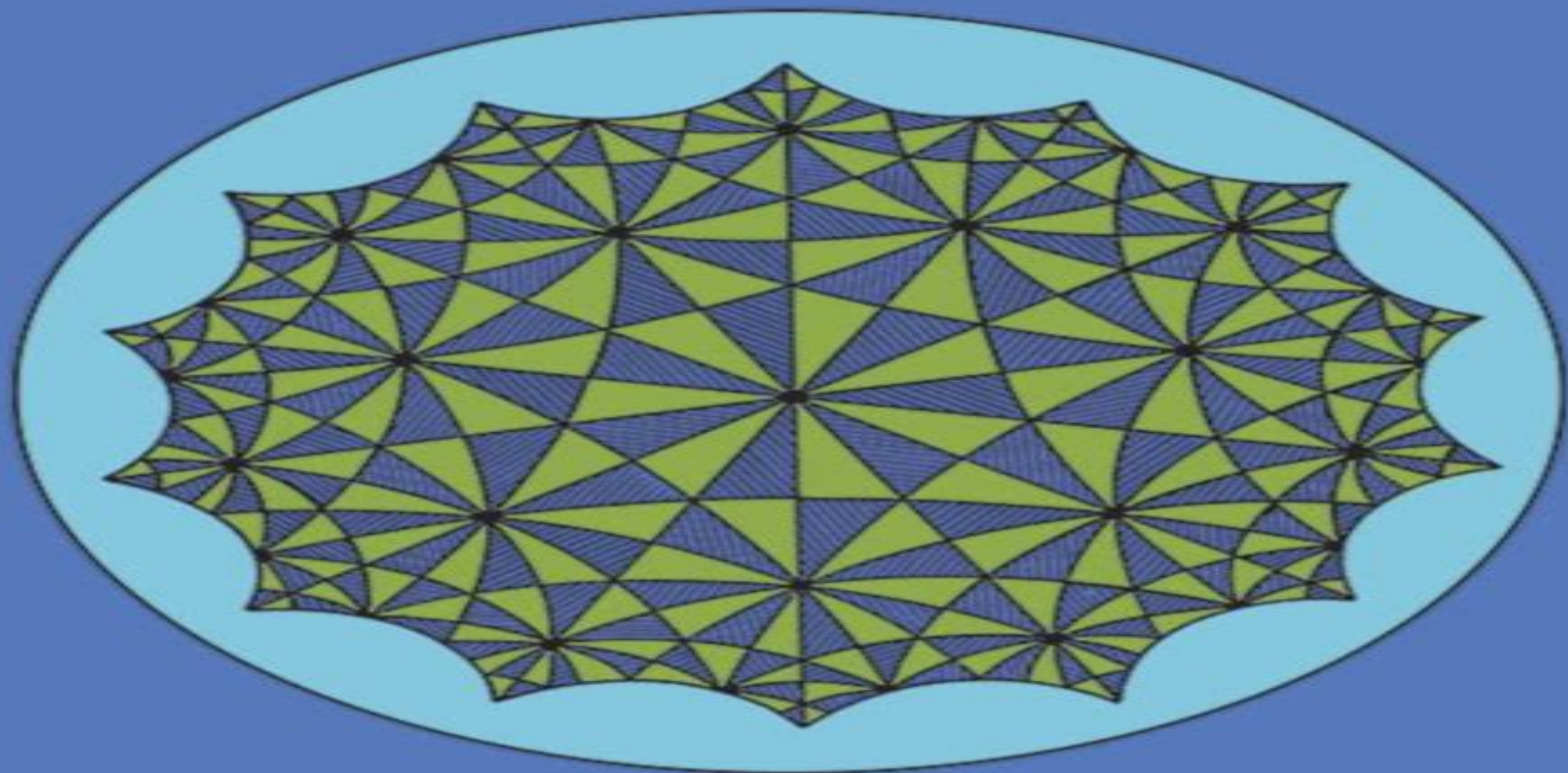




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ZEEV NEHARI

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Zeev Nehari



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good working knowledge of advanced calculus An Introduction to Complex Function Theory Bruce P. Palka,1991 This book provides a rigorous yet elementary introduction to the theory of analytic functions of a single complex variable While presupposing in its readership a degree of mathematical maturity it insists on no formal prerequisites beyond a sound knowledge of calculus Starting from basic definitions the text slowly and carefully develops the ideas of complex analysis to the point where such landmarks of the subject as Cauchy's theorem the Riemann mapping theorem and the theorem of Mittag Leffler can be treated without sidestepping any issues of rigor The emphasis throughout is a geometric one most pronounced in the extensive chapter dealing with conformal mapping which amounts essentially to a short course in that important area of complex function theory Each chapter concludes with a wide selection of exercises ranging from straightforward computations to problems of a more conceptual and thought provoking nature Conformal Mapping Roland Schinzinger,Patricio A. A. Laura,2012-04-30 Beginning with a brief survey of some basic mathematical concepts this graduate level text proceeds to discussions of a selection of mapping functions numerical methods and mathematical models nonplanar fields and nonuniform media static fields in electricity and magnetism and transmission lines and waveguides Other topics include vibrating membranes and acoustics transverse vibrations and buckling of plates stresses and strains in an elastic medium steady state heat conduction in doubly connected regions transient heat transfer in isotropic and anisotropic media and fluid flow Revision of 1991 ed 247 figures 38 tables Appendices **The Theory and Practice of Conformal Geometry** Steven G. Krantz,2016-03-17 In this original text prolific mathematics author Steven G Krantz addresses conformal geometry a subject that has occupied him for four decades and for which he helped to develop some of the modern theory This book takes readers with a basic grounding in complex variable theory to the forefront of some of the current approaches to the topic Along the way the author notes in his Preface the reader will be exposed to some beautiful function theory and also some of the rudiments of geometry and analysis that make this subject so vibrant and lively More up to date and accessible to advanced undergraduates than most of the other books available in this specific field the treatment discusses the history of this active and popular branch of mathematics as well as recent developments Topics include the Riemann mapping theorem invariant metrics normal families automorphism groups the Schwarz lemma harmonic measure extremal length analytic capacity and invariant geometry A helpful Bibliography and Index complete the text

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2 moles leftover hydrogen 1 mole leftover

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