Título: Basic Wing And Airfoil Theory

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A classic of aeronautical engineering, this text for advanced undergraduates and graduate students is also an excellent reference. It begins with a survey of vector analysis and complex variables, offering readers the basic tools for handling subsequent chapters.

Topics include stream function and other flow functions, the Joukowski transformation, airfoil construction and pressure distribution, and thin and thick airfoil theories. Surveys of finite and monoplane wings are succeeded by a consideration of the field about the wing, the spanwise load distribution for arbitrary wings, and assorted applications of perfect fluid theory. Each chapter includes several illustrated and explained examples, and numerous problems and references appear at the end of each chapter as well.