

**Applied  
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80**

Derek F. Lawden

# **Elliptic Functions and Applications**



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# Elliptic Functions And Applications

**Mahadev Dutta, Lokenath Debnath**



## **Elliptic Functions And Applications:**

**Elliptic Functions and Applications** Derek F. Lawden, 2013-03-09 The subject matter of this book formed the substance of a mathematical seminar which was worked by many of the great mathematicians of the last century The mining metaphor is here very appropriate for the analytical tools perfected by Cauchy permitted the mathematical argument to penetrate to unprecedented depths over a restricted region of its domain and enabled mathematicians like Abel Jacobi and Weierstrass to uncover a treasurehouse of results whose variety aesthetic appeal and capacity for arousing our astonishment have not since been equaled by research in any other area But the circumstance that this theory can be applied to solve problems arising in many departments of science and engineering graces the topic with an additional aura and provides a powerful argument for including it in university courses for students who are expected to use mathematics as a tool for technological investigations in later life Unfortunately since the status of university staff is almost wholly determined by their effectiveness as research workers rather than as teachers the content of undergraduate courses tends to reflect those academic research topics which are currently popular and bears little relationship to the future needs of students who are themselves not destined to become university teachers Thus having been comprehensively explored in the last century and being undoubtedly difficult

**The Applications of Elliptic Functions** Sir George Greenhill, 1892

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Introduction to Elliptic Functions Frank Bowman, 1961

**Applications of Elliptic Functions** Hill Alfred George Green, 1901

Elliptic Functions and Elliptic Integrals Viktor Vasil'evich Prasolov, I Uri Pavlovich Solov'ev, 1997-09-16 This book is devoted to the geometry and arithmetic of elliptic curves and to elliptic functions with applications to algebra and number theory It includes modern

interpretations of some famous classical algebraic theorems such as Abel's theorem on the lemniscate and Hermite's solution of the fifth degree equation by means of theta functions Suitable as a text the book is self contained and assumes as prerequisites only the standard one year courses of algebra and analysis

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*Elements of the Theory of Elliptic and Associated Functions with Applications* Mahadev Dutta, Lokenath Debnath, 1965

*The Elliptic Functions as They Should be* Albert Eagle, 1958

**The Application of Elliptic Functions** Alfred George Greenhill, 1959

**Elliptic Functions** Arthur Latham Baker, 1895

**The Elliptic Functions as They Should be** Albert Eagle (mathématicien), 1958

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