


[DOWNLOAD](#)


Solved Problems in Analysis: As Applied to Gamma, Beta, Legendre and Bessel Functions (Paperback)

By Orin J. Farrell, Bertram Ross

Dover Publications Inc., United States, 2013. Paperback. Book Condition: New. Reprint. 206 x 137 mm. Language: English . Brand New Book. Nearly 200 problems, each with a detailed, worked-out solution, deal with the properties and applications of the gamma and beta functions, Legendre polynomials, and Bessel functions. The first two chapters examine gamma and beta functions, including applications to certain geometrical and physical problems such as heat-flow in a straight wire. The following two chapters treat Legendre polynomials, addressing applications to specific series expansions, steady-state heat-flow temperature distribution, gravitational potential of a circular lamina, and application of Gauss's mechanical quadrature formula with pertinent table. The final chapters explore Bessel functions, discussing differentiation formulas, generating functions, relations to Legendre polynomials, and other applications. This volume constitutes a useful tool for professional engineers and experimental physicists. Students of mathematics, physics, and engineering will particularly benefit from the book's expanded solutions.



READ ONLINE
[7.21 MB]

Reviews

The ebook is easy in read through easier to fully grasp. It is rally fascinating throgh reading through time. I am effortlessly can get a enjoyment of reading a written publication.

-- **Kiarra Schultz III**

Simply no words to explain. It really is basic but shocks from the fifty percent of the ebook. I am just happy to explain how this is the finest pdf we have read within my personal life and could be he best ebook for possibly.

-- **Blair Monahan**