



## Non-vanishing of L-Functions and Applications

By M. Ram Murty

Birkhäuser Jan 2012, 2012. Taschenbuch. Book Condition: Neu. 23.5x15.5x cm. This item is printed on demand - Print on Demand Neuware - This book systematically develops some methods for proving the non-vanishing of certain L-functions at points in the critical strip. Researchers in number theory, graduate students who wish to enter into the area and non-specialists who wish to acquire an introduction to the subject will benefit by a study of this book. One of the most attractive features of the monograph is that it begins at a very basic level and quickly develops enough aspects of the theory to bring the reader to a point where the latest discoveries as are presented in the final chapters can be fully appreciated. ----- This book has been awarded the Ferran Sunyer I Balaguer 1996 prize (.)The deepest results are contained in Chapter 6 on quadratic twists of modular L-functions with connections to the Birch-Swinnerton-Dyer conjecture. (.) [It] is well-suited and stimulating for the graduate level because there is a wealth of recent results and open problems, and also a number of exercises and references after each chapter. (Zentralblatt MATH) Each chapter is accompanied by exercises, and there is a fair amount...

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