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| Soggetti                | Special functions<br>Functions of complex variables<br>Functions of real variables<br>Difference equations<br>Functional equations<br>Special Functions<br>Functions of a Complex Variable<br>Real Functions<br>Difference and Functional Equations   |
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| Livello bibliografico   | Monografia  |
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| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | and Preliminary Results -- Geometric Properties of Generalized Bessel<br>Functions -- Inequalities Involving Bessel and Hypergeometric<br>Functions.  |
| Sommario/riassunto      | In this volume we study the generalized Bessel functions of the first<br>kind by using a number of classical and new findings in complex and<br>classical analysis. Our aim is to present interesting geometric<br>properties and functional inequalities for these generalized Bessel<br>functions. Moreover, we extend many known inequalities involving<br>circular and hyperbolic functions to Bessel and modified Bessel<br>functions. |

