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8. A trigonometric series of Hardy and Littlewood9. Infinite series of ordinary Bessel functions; 10. Infinite series of modified Bessel functions; 11. Entries from Ramanujan's Notebooks and kindred formulae; REFERENCES; Chapter 4. Problems and Prospects for Basic Hypergeometric Functions; 1. Introduction; 2. Partitions identities; 3. Identities for Multiple Hypergeometric Series; 4. Basic Appell and Lauricella Series; 5. MacMahon's Master Theorem and the Dyson Conjecture; 6. Saalschützian Series and Inversion Theorems; 7. Conclusion.; REFERENCES

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4. DEDUCTIONS FOR OTHER FUNCTIONS

Sommario/riassunto

Theory and Application of Special Functions
