



## Bhaskara and Pingala

By Padmanabha Rao Anantapur

LAP Lambert Academic Publishing Mai 2011, 2011. Taschenbuch. Book Condition: Neu. 224x151x15 mm. This item is printed on demand - Print on Demand Neuware - The book deals with the Methods of Bh skara and Pi gala, the focus being on their relevance today. The Proofs and Concepts are explained and compared with the Current Methods with reference to the following topics: The Application of Rules of Three and Five to similar triangles and Gas Equation PV=RT, pi as a Limit of an Infinite sequence, Radian Measure, Limit as a sum, Bh skara's Algorithm for manipulating infinitesimals, Geometric proof of  $\int \sin(x) dx = -\cos(x)$ , Mean value Theorem, Use of Binomial Theorem to find the root of any order, Pythagoras Theorem by Euclid and Bh skara, Newton's Fluxions and Bh skara's Algorithm - a comparison, Some ingenious geometrical constructions, Heron's formula as a special case of that of Brahmagupta, Pi gala's Combinatorial Mathematics, Binary System, Fibonacci Sequence and Pascal's Triangle as an off-shoot of Prosody, Approximations to sine and arcsine and Primitive ideas of Logarithm. The students, teachers, research scholars and lovers of mathematics are entitled to the traditional knowledge which will benefit them and inspire them to do research and produce...

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