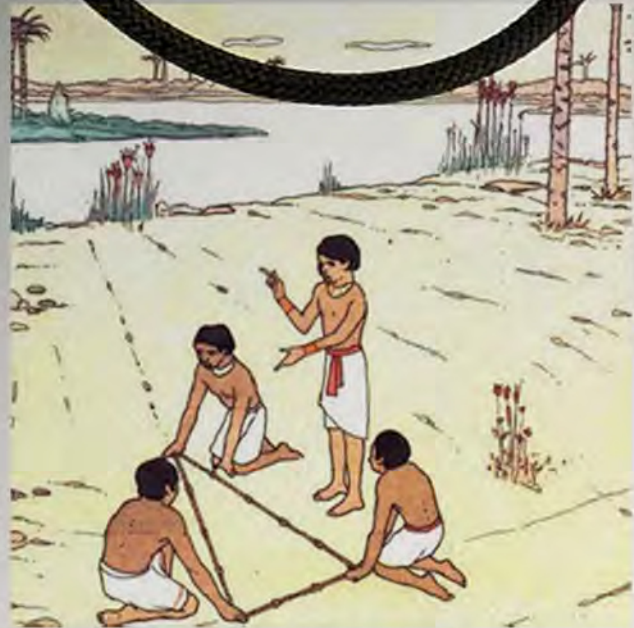


C K Raju



# Rajju Ganita

String Geometry  
for Class 9



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*An alternative math textbook  
on string geometry  
for class 9*

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\*Funding from the Hemendra Kothari Foundation is gratefully acknowledged. Detailed acknowledgments at the end.

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Cover design by Lim Jee Yuan.

ISBN-xxx-xxx-xxxx-xx-x

Typeset by the author in 14 pt Computer Modern, using L<sup>A</sup>T<sub>E</sub>X.

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**Did you find math difficult?** Do your children? If so, what is the remedy? Change the child or change the teacher? This book identifies the origin of math difficulties in a novel way: math is difficult because we teach the wrong math. Math is not universal; there is a focus on the UNREAL (not merely abstract) in the European ethnomathematics—also called formal mathematics—which came with colonial education, and displaced traditional normal mathematics. No critical comparison was ever made to decide which math is better. Even today, formal math is just declared “superior”, using church myths like “Euclid”, and superstitions like the “infallibility of deduction”. Formal math is difficult because it excludes the natural, empirical ways of knowing. Reverting to normal math makes math easy and enhances its practical value. This book teaches school geometry, using the traditional string (rajju), and curved lines. It is a prelude to the teaching of calculus as normal math.

### **About the author**

**Professor C. K. Raju** holds a PhD from the Indian Statistical Institute, Kolkata, and an MSc in math from the Center of Advanced Study in Math, Mumbai University. He taught formal mathematics (analysis, advanced functional analysis) in Pune University for several years before joining C-DAC to play a key role in building the first Indian parallel supercomputer. Currently, he is Tagore Fellow at the Indian Institute of Advanced Study, and an Honorary Professor at the Indian Institute of Education. Among his many books, in *Cultural Foundations of Mathematics* (Pearson Longman, 2007) he outlined a new philosophy of math now called zeroism. In *Euclid and Jesus* (Multiversity, 2012) he explained the church connection to European ethnomathematics. As a Visiting Professor at the Universiti Sains Malaysia he first systematically taught calculus with a different philosophy. He has lectured on decolonised math at prominent institutions across the globe, such as MIT, Universities of Cape Town, South Africa, Kwazulu Natal, Sydney, Auckland, Helsinki, Amsterdam, Ricardo Palma, as also numerous universities in India and Iran. Videos of many lectures are available. His viral-then-censored article on decolonising math was reprinted in *Rhodes Must Fall*, Oxford.

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