

IAVM

2nd International Vedic Mathematics Conference

Conference Report

Department of Sanskrit
St Stephen's College, Delhi

27th - 29th December 2017

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The Conference held in New Delhi was a huge success. We had nearly 200 delegates, half of whom were students attending workshops. Many spoke of being greatly inspired after attending the research talks and participating in the workshops. Besides helping to foster a greater understanding of Indian Mathematical culture, the conference presented a wonderful opportunity to meet enthusiastic teachers and like-minded people, keen on research and the development of Vedic Mathematics and its use in education and computer design. Delegates came from across India as well as overseas.

Research papers were themed under the following topics:

1. New Applications of Vedic Maths sutras
2. Vedic Maths in Education, Ancient and Classical Indian Mathematics and
3. Vedic Maths Techniques used in Computer Design.

List of Papers

1. Implementing Vedic Maths into the Binary Number System; Kuldeep Singh
2. Squaring Devices used to Demonstrate Versatility of the Sutras; James Glover
3. Vedic Maths – A Merit in Management of Competitive Examinations; Shastri and Hankey
4. Solution of Right-Angled Triangles using Vertically and Crosswise; Kenneth Williams
5. A Prime Number Investigation using Binary Strings Generated by using the Ekadhikena Sutra; Marianne Fletcher
6. Ethnomathematics – An Effective Pedagogical Tool to Enrich Math Teaching; Swati Dave
7. Calculating Compound Interest Mentally; Kuldeep Singh
8. Finding Cube Roots: Nepali and Vedic Method; Jayanta Acharya
9. Origin of 360 degrees; P. Devaraj
10. Vedic Mathematics Methods to Reduce Math Anxiety – A Randomized Control Trial; Shastri, Hankey, Sharma and Patra
11. Square Roots in Mathematics; Krishna Kanta Parajuli
12. A Fuzzy Model for Analysing Vedic Mathematics; Ravi K.M. and R.G. Shivakumar
13. Innovative Method of Multiplication (Advancement of Ekadhikena Purvena Sutra); Shashikant G. Chitnis
14. The Third Diagonal; Prof. A. Vyawahare and G. Ghormade
15. A Comparative Study on Teachers' Consciousness Towards Vedic Mathematics in District Mohali and Barnala (Punjab); Sukhwinder Kaur, Pooja Rani
16. Comparative Study of Adders used in Designing High Speed Vedic Multipliers for VLSI applications; Dr. Raghavendra Prasad
17. Optimization of Total Reversible Logic Implementation Cost using Vedic Mathematics; Dr. S. Praveen
18. Indispensability of Numbers and Numerals of Indian Intellectual Traditions and their Scientific Role; Dr Daya Shankar Tiwary

19. Comparing Conventional Iterative Methods to the Vedic Method of Determining Roots of Cubic and Quartic Equations; Rick Blum
20. Vedic Maths Methods on Cognitive Skills - RCT; Dr. Bhawna Sharma
21. Design and Implementation of 64-Bit Vedic Multiplier for DSP Application; A.P. Chavan, H. Divya and A.Prathibha

Workshops for teachers and free workshops for school students were also presented. Even with such a broad scope and varied range of activities and talks, the conference had a tremendous unifying effect on all those in attendance.

The IAVM is hugely indebted to Dr. Pankaj Mishra of the Department of Sanskrit, for his tireless work in putting together all the arrangements and logistics. Our sincere thanks go to Tata Trusts for sponsoring this event. We also thank Kuldeep Singh and Sita Giri for their invaluable support and assistance.