

Suggestions for Additional Topics for Presentations

1. Transmission between Arabic and Jain mathematics
2. Transmission between Chinese and Jain mathematics
3. Impact of Jain School of Mathematics on other Indian Schools
4. Some Unpublished Jain mathematical texts in Tamil, Kannad, and other Indian Languages and their antiquity.
5. Unique and independent contribution of Jain mathematics.
6. Jain number theory and its uniqueness.
7. Contribution of Prof. L. C. Jain in the mathematical treatment of Karma theory. Does it have any unique contribution in the field of Mathematics?
8. Jaina concept of infinity and modern infinity. Do different kinds of infinities have any real mathematical meaning and applications?
9. Positional notation with zeros in the earlier scriptures
10. Solution of Quadratic and higher order equation
11. Comparative Study between the works of pure mathematicians (Aryabhata, Parahmgupta, Shridhara, Mahavira & Bhaskara)
12. Concept of Irrationality
13. Concept of Set Theory and its development in Jaina Canonical Literature
14. Dyadic Sequences in Triloksara
15. Symbolism in Jain Literature and its uniqueness
16. Reference of Binomial Expansion in Jaina Canonical Literature
17. Concept of Probability in Ancient Jaina Literature and its Applications

NOTE: We should not disregard the time frame when the scriptures were transmitted by oral traditions. Similarly, in some instances it may be difficult to identify Jain vs. Hindu and Buddhist sources. It would be acceptable to use non-Jain but Indian references. The emphasize should be on the antiquity and mathematical contribution of the content.