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ABSTRACT

14. Encoding Systems in Vedic Mathematics by Lakshmipriya K, Amrita School of Arts and Sciences, Kochi

The Sanskrit verses are not just the praises of the Gods. They are also numerical codes. Three types of methods of recording numerals in simple Sanskrit words were in use in ancient India. They are Kaṭapayādi system, Āryabhaṭa numeration and Bhuṭasaṁkhyā system. Great mathematicians like Mādhava of Saṅgamagrāma, Varāhamihirā, Aryabhaṭa, etc. were known to use these systems. In this paper we wish to do a comparison between these systems and give their applications in the modern mathematics.
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