Abstract

India claims deep heritage in ancient sciences and specially in Mathematics & Astronomy – which means computation. Evidence based works not noted (archaeology platform). Sahasralingam (million indicator) is a artifact of indo archaeology. One devise from Bhubaneswar is studied from computation aspects. Has 1020 indentures which transpires as magic number. Sets of various types; Fibonacci; Pi; Permits continuous computations viz., calculus, algebra, discreet math in imperative and declarative languages; offers semantics; embedment; steganography & VLSI type; lattices of various orders; types & axis; symmetry with versatility and an extraordinary level of mathematical maturity is reported from the first time. 1020 posits also as unique & novel testing platform number.

References


4. Ganguly, M. M., Orissa and Her Remains-Ancient and Medieval (District- Puri), Calcutta, 1912. (Ganguly was Civil Engineer by profession)


22. Bhaskaracharya-II, Aryabhatiyam of 17; Ud.3. See also : Bhaskaracharya, Bija Gañita,
Odisha State Museum – iron stylus engraved (hoary) Palm Leaf Manuscript, No. G.1. See also Indian Journal of Hist. of Science, Indian National Science Academy, Vol.43.1, 2008, pp. 101-08.


Index Terms

Computer Science
Applied Sciences

Keywords

Sahasralingam; Computation; Sanatan Vigyan; Indian Ancient Sciences; Vrihanka-Pingalanka; Indian archaeology - Fibonacci; Pi; Hindu Mathematics; Hindu Astronomy.