Computation (Abacus) Aspects of the Sahasralingam

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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.

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**Index Terms**

Computer Science

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**Keywords**

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