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Interdisciplinary Lively Applications Project (ILAP): Parallel developments in philosophy and mathematics in India.

UMAP Modul. 2003-2004, 133-165 (2004).

This project explores some of the parallel developments in philosophy and mathematics in South Asia up to about the year 1500. It was created by the authors for a team-taught class on the development of philosophy and mathematics in India. It has also been used by the first author in first-semester calculus to show how the idea of the derivative evolved in India from the study of difference equations, totally independent of the geometric idea of tangent lines. (Introduction)

Classification: A30

Keywords: history of mathematics; mathematics and philosophy; india; trigonometry