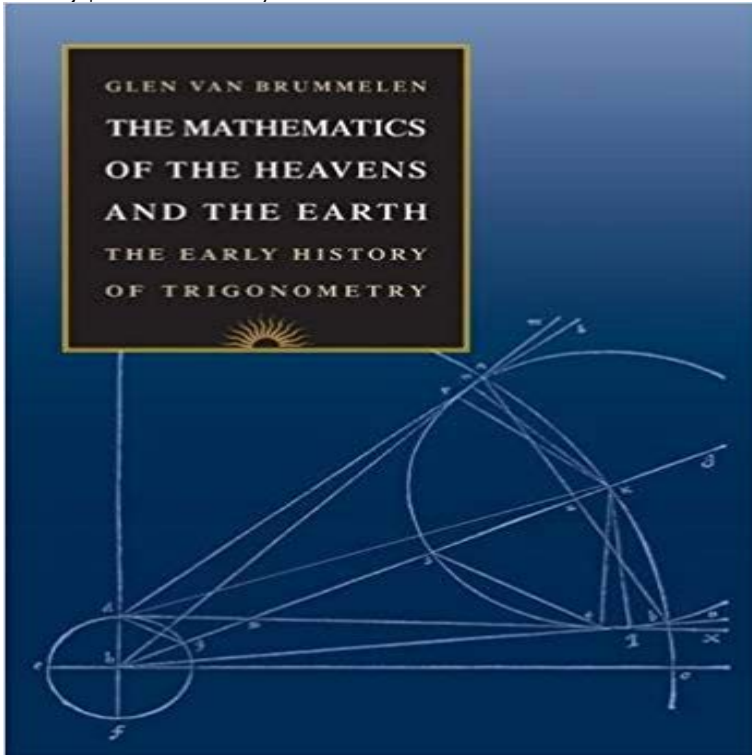


# The Mathematics of the Heavens and the Earth: The Early History of Trigonometry



The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen identifies the earliest known trigonometric precursors in ancient Egypt, Babylon, and Greece, and he examines the revolutionary discoveries of Hipparchus, the Greek astronomer believed to have been the first to make systematic use of trigonometry in the second century BC while studying the motions of the stars. The book traces trigonometry's development into a full-fledged mathematical discipline in India and Islam; explores its applications to such areas as geography and seafaring navigation in the European Middle Ages and Renaissance; and shows how trigonometry retained its ancient roots at the same time that it became an important part of the foundation of modern mathematics. The Mathematics of the Heavens and the Earth looks at the controversies as well, including disputes over whether Hipparchus was indeed the father of trigonometry, whether Indian trigonometry is original or derived from the Greeks, and the extent to which Western science is indebted to Islamic trigonometry and astronomy. The book also features extended excerpts of translations of original texts, and detailed yet accessible explanations of the mathematics in them. No other book on trigonometry offers the historical breadth, analytical depth, and coverage of non-Western mathematics that readers will find in The Mathematics of the Heavens and the Earth.

[\[PDF\] To the Rate-Payers of Halifax](#)

[\[PDF\] Sarbanes-Oxley for Nonprofit Boards: A New Governance Paradigm](#)

[\[PDF\] Stop Treating Me Like A Child: Opening the Door to Healthy Relationships Between Parents and Adult Children](#)

[\[PDF\] Common Mistakes Singles Make](#)

[\[PDF\] Cell Wars \(Cells and Things\)](#)

[\[PDF\] 76 Productive Habits: How to Accomplish More, Overcome Procrastination, and Supercharge your Productivity](#)

[\[PDF\] Three Voyages for the Discovery of a Northwest Passage from the Atlantic to the Pacific, and Narrative of an Attempt to Reach the North Pole, Volume I](#)

**The Mathematics of the Heavens and the Earth: The Early History of** The Mathematics of the Heavens and the Earth: The Early History of Trigonometry. xvii + 329 pp., illus., bibl., index. Princeton, N.J./Oxford: Princeton University **The Mathematics of the Heavens and the Earth : Glen van** The Mathematics of the Heavens and the Earth: the Early History of Trigonometry, Glenn Van Brummelen, 2009, 352 pp., bibliography, 109 illustrations , 1 table **History of Trigonometry To 1550 - The** Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **Heavenly Mathematics: The Forgotten Art of Spherical Trigonometry** There had never been a comprehensive history of trigonometry available in English before The Mathematics of the Heavens and the Earth was **Lorem ipsum - The University of Chicago Press: Journals** The Mathematics of the Heavens and the Earth: the Early History of Trigonometry, Glenn Van Brummelen, 2009, 352 pp., bibliography, 109 illustrations , 1 table **Glen van Brummelen, The mathematics of the heavens and the earth** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth** Table of Contents for The Mathematics of the Heavens and the Earth: The Early History of Trigonometry by Van Brummelen, G., published by Princeton **The Mathematics of the Heavens and the Earth: The Early History of** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth: The Early History of** The Mathematics of the Heavens and the Earth: The Early History of Trigonometry by Glen van Brummelen. Princeton/Oxford: Princeton University Press, 2009. **The Mathematics of the Heavens and the Earth: The Early History of** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth: The Early History of** Buy The Mathematics of the Heavens and the Earth: The Early History of Trigonometry by Glen Van Brummelen (2009-01-25) on ? FREE **The Mathematics of the Heavens and the Earth - Google Books** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth: The Early History of** The Mathematics of the Heavens and the Earth is an extremely important contribution to scholarship. It will be the definitive history of trigonometry for years to **The Mathematics of the Heavens and the Earth - Goodreads** EARTH. THE EARLY HISTORY OF TRIGONOMETRY The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early **The Mathematics of the Heavens and the Earth - The Early History of** Glen van Brummelen, The mathematics of the heavens and the earth: the early history of trigonometry. Toke Knudsen , Mikkel Willum Johansen **The Mathematics of the Heavens and the Earth: The Early History of** Glen van Brummelen, The mathematics of the heavens and the earth: the early history of trigonometry on ResearchGate, the professional network for scientists. **The Mathematics of the Heavens and the Earth - The Early History of** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth: The Early History of** Buy The Mathematics of the Heavens and the Earth: The Early History of Trigonometry by Glen Van Brummelen (2009-01-25) by (ISBN: ) from Amazons Book **Table of Contents for Van Brummelen, G.: The Mathematics of the** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **Mathematics of the Heavens and the Earth - Glen Van Brummelen** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth** is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth: The Early History of** The Mathematics of the Heavens and the Earth: The Early History of Trigonometry - by Glen van Brummelen **The Mathematics of the Heavens and the Earth - The Mathematics of the Heavens and the Earth** is the first major history in English of the origins and early development of trigonometry. Glen Van Brummelen **The Mathematics of the Heavens and the Earth: The Early History of** Find helpful customer reviews and review ratings for The Mathematics of the Heavens and the Earth: The Early History of Trigonometry at . **The Mathematics of the Heavens and the Earth: The Early History of** The Mathematics of the Heavens and the Earth is the first major history in English of the origins and early development of trigonometry. **The Mathematics of the Heavens and the Earth Mathematical** The Mathematics of the Heavens and the Earth: The Early History of

Trigonometry. The Mathematics of the Heavens and the Earth: The Early History of **Glen van Brummelen, The mathematics of the heavens and the earth** Buy The Mathematics of the Heavens and the Earth: The Early History of Trigonometry by Glen Van Brummelen (2009-01-25) on ? FREE